BROAN®

Ventilation Fans

Heating Products

Attic Ventilation

August 2007

Leadership

Leadership is measured in all kinds of ways. We define it with innovation, from spot ventilation products to whole-house indoor air quality systems. The greatest compliment we receive is seeing our product ideas become the industry standards.

Silence

Silence is what consumers demand more than any other feature in a bath fan. We hear you, and proudly offer the Ultra Silent™ Series, the most quiet ventilation fans available. Proven in real-world installations, they deliver what we promise on the package.

Style

Style can be difficult to define. What's compelling to one may be passe to another. Broan solves the issue with a broad variety of product styles, finishes, and shapes—all designed around you.

We don't build products. We build the industry.

Performance

Powerful operation is the ultimate test. And a clear bathroom mirror after a long relaxing shower is the true measure of bath fan performance. That's why Broan engineers the right product for every type of application, room size and need.

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Selection

No one provides more ways to improve indoor air quality. From the spot ventilation and heating products listed above, to our whole-house Broan Fresh Air Systems, trust Broan to keep your home safe and comfortable.

Broan makes the perfect ventilation fan
for every home, decor and budget.

What you should consider when buying a bath fan or home ventilation system.

Steamy mirrors, damp walls and fogged windows. They're more than annoying. They could indicate developing problems like mold and mildew, ruined insulation, and wood rot. Spot ventilation solutions from Broan clear the air quickly and efficiently, removing potential problems before they invite themselves into your home.

What's in stays in today's airtight homes.

Today's homes are built airtight for efficiency. But that means moisture and airborne pollutants stay where they are unless they are vented away. Eliminating excess moisture keeps your home dry and comfortable and can help avoid mold and mildew. Volatile organic compounds (VOCs) "outgas" from construction materials such as plywood, carpet, fabric, paint, adhesive, insulation and other common items. Allergens, dust, cooking vapor and what the kids bring home from school are more reasons why good ventilation is critical.

Which product is best suited to my application?

Take a moment to consider what you're looking for in a spot ventilation product. Do you want quiet operation, a powerful blower, decorative designs or something that's virtually invisible? Could you use more light, or ventilation in a walk-in closet? Broan has what you need.

Leadership

More than 70 years ago Broan invented the spot ventilation industry. Today, Broan is engineering and testing the next generation of ventilation solutions to keep your home and family comfortable.

Sones measure the "sound level" of your fan.

A sone is a measurement of sound in terms of comfortable hearing level for an average listener. The lower the sone value, the more comfortable the environment. Sones are not decibels or volume, but rather how sound is "sensed." One sone is half as loud as two sones, and is equivalent to a quiet refrigerator.

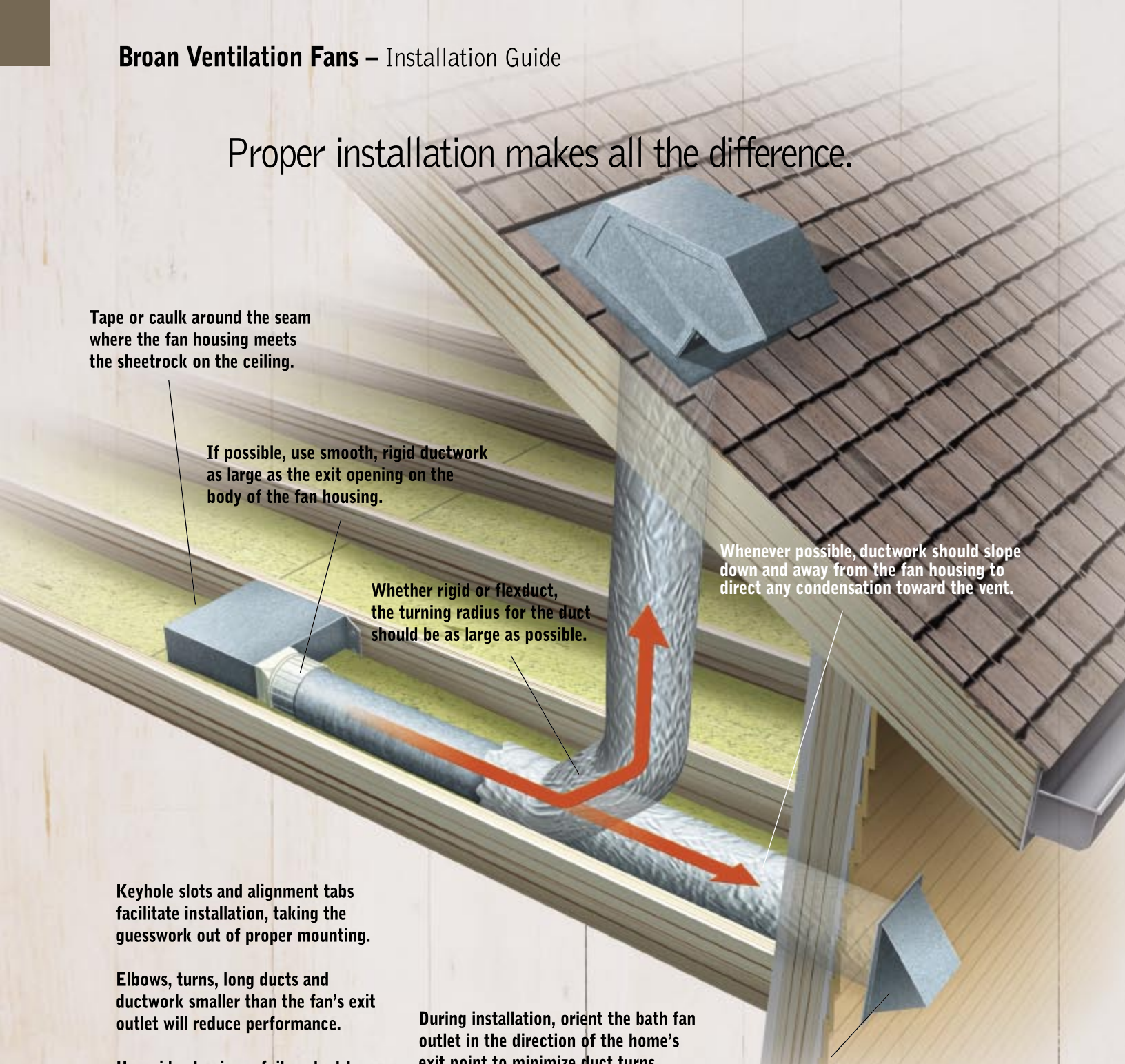
What "HVI certified" means to you.

The Home Ventilating Institute (HVI) is an independent organization that certifies the airflow and sound performance claimed by manufacturers of ventilation products. Broan certifies every product through HVI to ensure the product you purchase will perform as claimed. For more information visit www.hvi.org.

Energy Star: Conserve energy and energy expenditures.

If you're concerned about saving money and energy, choose Broan bath fans that feature the Energy Star logo. These products use high efficiency motors and lighting that can reduce energy consumption by as much as 65%—all without sacrificing performance. Learn more about Energy Star at www.energystar.gov.

Proper installation makes all the difference.


Tape or caulk around the seam where the fan housing meets the sheetrock on the ceiling.
If possible, use smooth, rigid ductwork as large as the exit opening on the body of the fan housing.
Whether rigid or flexduct, the turning radius for the duct should be as large as possible.
Whenever possible, ductwork should slope down and away from the fan housing to direct any condensation toward the vent.

Keyhole slots and alignment tabs facilitate installation, taking the guesswork out of proper mounting.

Elbows, turns, long ducts and ductwork smaller than the fan's exit outlet will reduce performance.

Use wide aluminum foil or duct tape to join smooth metal ductwork seams.

Do not let flexible ductwork sag as this impedes airflow.

During installation, orient the bath fan outlet in the direction of the home's exit point to minimize duct turns.

Before adding an elbow or bend, allow 24" to 36" of straight run from the fan outlet point.

Duct-wrap insulation (R-5 or above) will help minimize condensation in cold climates, especially on long duct runs.

Exit vents should have backdraft flaps to help keep cold air from entering the duct.

Quick guideline: For bathrooms up to 100 square feet, the HVI recommends ventilation of about 1 CFM per square foot (about eight air changes per hour). For bathrooms over 100 square feet, add up the needs of each fixture to determine the total ventilation rate:

- Toilet 50 CFM
- Shower 50 CFM
- Bathtub 50 CFM
- Jetted tub 100 CFM

Easy steps for choosing and sizing the right ventilation fan for your home.

Determine which rooms could use ventilation, and how much is needed.
Spot ventilation is used in localized areas to remove moisture, odor and airborne pollutants quickly. Most commonly used in the bath or powder room, spot ventilation can also be used in a laundry room, exercise area, closet, or bedroom, wherever air should be changed frequently. Decorative and recessed models can be ideal solutions for these situations. According to the Home Ventilating Institute, Air Changes per Hour (ACH) for comfortable and healthy living should be as follows: Bathrooms: 8 changes, Kitchens: 15 changes, Living/Bedrooms: 6 changes. Broan bath fans, utility fans and high capacity fans meet these needs.

Calculate the air movement necessary for proper ventilation.
Air movement is measured in Cubic Feet per Minute (CFM). To determine CFM requirements, first determine the size of your room. Measure and multiply the length, width and ceiling height of your room to determine cubic footage. Then use the multiplication factor of .13 and round up to the next "ten." See the three examples that follow.

Performance

A good ventilation fan is the product of research, testing and listening to the needs of consumers. At Broan we build these desires into ventilation products that provide the best mix of power, sound and quality for every budget.

Example 1: Bathroom with 8' ceiling: 7' wide x 9' long x 8' high x .13 = 66. Select a bath fan with at least 70 CFM.

Example 2: Bathroom with 9' ceiling: 10' wide x 9' long x 9' high x .13 = 105. Select a bath fan with at least 110 CFM.

Example 3: For a bathroom with a vaulted ceiling, use the average ceiling height at the wall and the peak: 8' wide x 12' long x ((8' at wall + 12' at peak) / 2 = 10') average height x .13 = 125. Select a fan(s) with at least 130 CFM.

Account for long duct runs and ductwork that turns before it reaches the exterior vent.
When airflow is restricted in any way it slows down. Just as a car must slow down for a sharp corner, air decelerates when going through a turn in a duct run. Whenever possible, create a straight duct run with large radius turns, if they're necessary at all. Rigid ductwork is optimal because airflow restriction is minimized. Flexible tubing may be convenient to install, but resistance is created as air is moved over the spiral metal frame of the tubing. With long duct runs or ducts with multiple turns the fan works harder, noise increases and fan performance (CFM) is compromised. Select a fan model with an even greater CFM rating compensate.

6" ducting overcomes most performance-related installation issues.

Broan's QTX Series fans deliver high performance in virtually any real-world installation. They are engineered with a 6" duct connector for peak air movement and extremely quiet operation, even when the duct run is not short and straight.

Everything you need to know about home ventilation.

What is a sone, and how is it measured?

A sone is a measurement of sound in terms of comfortable hearing level for an average listener. The lower the sone value, the more comfortable the listening environment. Sones are not decibels or volume, but rather how sound is "sensed." One sone is the equivalent of a quiet refrigerator.

What does CFM mean?

CFM is the acronym for Cubic Feet per Minute — the measure of air volume moved by the fan blower. Choose a fan with a CFM rating appropriate for your room size to ensure adequate ventilation.

What is continuous ventilation?

Continuous ventilation provides today's airtight homes with a relatively constant and controlled lower level of ventilation. Broan's extremely quiet and efficient Ultra Silent™ Series is ideally suited for these applications.

Can I mount Broan fans above my tub and shower?

Most Broan fans are rated for use over a shower or bathtub with a GFCI (Ground Fault Circuit Interrupter).

Can my bath fan be surrounded by insulation?

Yes. Broan bath fans are designed to provide adequate cooling for motors and lighting, as well as products with integral heaters.

Will Broan fans work in wall-mount applications?

Some Broan bath and utility fans may be wall mounted. See the product matrix for specific models. Improper installation may affect fan life, safety and your warranty.

Will a bath fan or wall-mount utility fan serve as a range hood?

No. Range hoods are specifically designed to handle grease and high temperature environments. Broan bath fans supplement odor and moisture removal in the kitchen, but are not intended for use as a range hood.

What does "static pressure" mean?

Static pressure is the measurement of airflow resistance as it is pushed through ductwork which reduces the effectiveness of the fan. Learn more on the Home Ventilating Institute web site www.hvi.org.

Air Quality

Broan has long been a leader in indoor air quality solutions. Our spot ventilation products for bathrooms and kitchens control problems at the source. For whole-house filtration and ventilation, Broan Fresh Air Systems set the standard.

How long should a bath fan run after a shower is used?

The Home Ventilating Institute recommends that a fan should be left on for 20 minutes more to clear humidity adequately and to ensure moisture and condensation in the fan body or ducting is minimized.

What should I do if I can't wait for moisture to clear, but I don't want a fan to run all day long?

Broan has sensing fans that detect the humidity rise caused by a shower and turn on automatically – when moisture has cleared it turns off.

Some wall controls also give you the option of humidity sensing, or timer control. Just set it and forget it.

What are the timer features?

Delay-off timers automatically shut your fan off after a specified time interval. It's a nice feature in high traffic bathrooms where you may wish to let the fan run to clear moisture adequately. A timer counts down the minutes of fan operation selected by the user.

Where should the exhaust fan be located?

Exhaust fans should be located in or near the shower or tub, and in an enclosed water closet. Keep exhaust points opposite the supply air source to ensure that the fresh air is drawn through the room. Bathroom doors should not be sealed too tightly at the bottom in order to allow "makeup air" to enter the room when the door is closed.

How do I size a fan properly for my room size and the duct run?

See the sizing guidelines on page 7 for details on proper sizing. This section provides an explanation and examples to help you make the right decision.

Where is the exhaust outlet on the ventilation fan?

The exhaust outlet is the point where air is discharged through the body of the fan housing into the ductwork. During installation, orient your fan with the exhaust outlet pointing toward the exit vent on your roof or wall to minimize turns in ductwork that impede airflow.

Why do the windows and mirrors fog even when the fan is running?

If windows and mirrors are very cold, condensation can still form on these surfaces. And if your bathroom is sealed tightly, replacement air may not be entering the room fast enough to displace the moist air. Be sure to undercut your door sufficiently to draw fresh air into the room. Fan placement can also be a factor. Your fan should be located far from the replacement air source to ensure the moist air is drawn out first. Finally, too many twists and turns in the ducting will significantly reduce the ability of the blower to remove moist air. Make sure your ductwork is as short and straight as it can be, with gradual turns rather than tight corners where necessary.

Why is water dripping from the grille of the fan?

Dripping water is either condensation (usually due to cold ductwork or improper duct installation), or a problem with the seal on a wall or roof vent. Insulated ductwork can help solve condensation problems, and running the fan longer will ensure moisture is completely removed from the duct. Ductwork should slope down toward a wall vent to direct condensation out of the exterior vent opening rather than back into the fan housing.

Can I install a heater over the bathtub or in a shower?

No. Heaters are not UL Listed (Underwriter's Laboratory) for installation over a bathtub or in a shower.

Can I use an inline or multi-port fan in one large bathroom?

Yes, this works the best for large rooms because you can install the ports over the areas where the ventilation is needed the most (source control). The size of the multi-port would be determined by the size of the room.

Does a duct-free bath fan expel air?

No. A duct-free fan is not a ventilating device. It does not remove air from the room.

Style

Style is a curious thing. To each individual it is something different. So Broan makes a range of unique products — some that stand out, others that blend in. But all suit every sense of style beautifully.

Can larger diameter ducting be used with my bath fan?

Yes, larger diameters will result in improved performance.

Can I use a smaller diameter duct than what the fan is designed for?

This is not recommended. It will cause the fan to run harder, greatly reducing the CFM performance of the fan and create excess noise.

What type of duct is recommended, rigid or flexible?

It is recommended, where possible, to use rigid duct. It has less resistance to air flow and allows the fan to operate much more efficiently. If aluminum flexible duct is used, be sure the duct is as straight as possible.

Can I exhaust my fan into my attic instead of out the roof or wall?

Never exhaust air into spaces within walls, ceilings, attics, crawl spaces or garages. Humidity may damage the structure and insulation.

What type of exhaust fan is best for a sauna or hot tub area?

High CFM-rated devices are normally recommended for this type of application.

Can I use a fan in a steam shower?

No. Since these are normally sealed chambers, a vacuum will be created.

Can I vent more than one bath fan out of a roof or wall cap?

No. Always follow the manufacturer's recommended ventilation requirements.

Model QTXE Humidity Sensing Fan, page 12

Model QTXE Humidity Sensing Fan/Lights, page 32

Model QTXE Fans, page 13

Quiet is good. Virtual silence is better.

The Broan Ultra Silent™ Series.

There's a time for noise and excitement, and there's a time for more simple pleasures. The peaceful moment needn't be lost simply because your bath ventilation fan is uncomfortably loud. The ultra-quiet Broan Ultra Silent™ Series solves everything.

Lower sones and more power.

The Broan Ultra Silent™ Series started with a clean slate. We redesigned everything from the motor to the wheel to the housing, all to reduce operating noise. An exciting new selection of high-style grilles will discretely complement your bathroom or make a bold design statement. Whether you choose a bath fan, a fan/light or a combination heater/fan/light, Broan has an ultra-quiet solution for every concern.

Silence

Minimizing sound is best achieved by engineering the product correctly for real-world installations.

Broan's QTX Series is designed with efficient blowers and 6" ducting that will not restrict air flow.

How quiet is Ultra Quiet?

A newer refrigerator generates about 1 sone, while a normal conversation is about 2 sones. Broan's Ultra Silent™ Series products are as quiet as <0.3 sones. They're the quietest fans available and deliver the power you expect for any room size.

Model QTX Heater/Fan/Light, page 35

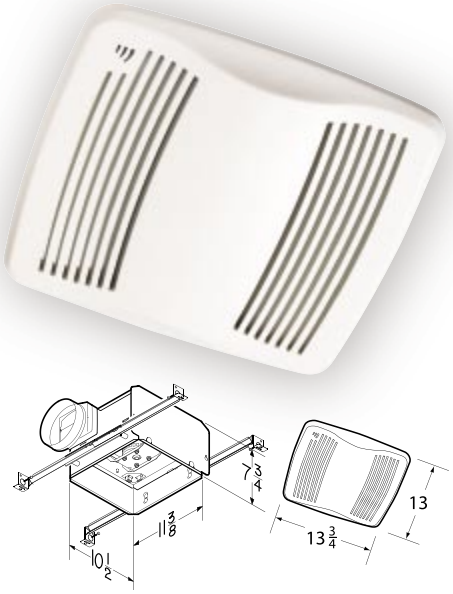
Model QTXE Fan/Lights, page 27

Model QTRE & QTR Fans, page 13

Model QTRE & QTR Fan/Lights, page 27

Ultra Silent™ Humidity Sensing Fan with Sensaire® technology. Sensaire® technology detects rapid increases in moisture levels at the ceiling, where steam and humidity naturally rises. Automatic shutoff saves worry, and money. A humidity sensing fan is ideal for anyone who leaves the house before humidity is properly vented. With a fan this quiet, you can't forget to turn it off when the job is done. That saves energy, and money.

QTXE110S Model



Set it once. Never think about it again. The Broan Ultra Silent™ humidity sensing fan starts automatically to help prevent cosmetic and structural problems associated with excess moisture. Sensaire® technology is a perfect solution for high traffic bathrooms, or the kid's bathroom.

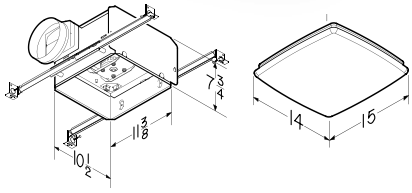
- Detects the rapid rise in humidity
- Humidity sensed at the ceiling level
- Easy-to-set shut-off timer: 5–60 min.
- 0.7 sones, 110 cfm
- 6" ducting for superior performance
- UL Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit
- Includes hanger bar system for fast and flexible installation for all types of construction.
- Energy Star qualified
- HVI Certified

Broan Ultra Silent™ Series Bath Fans. A bath fan needn't call attention to itself, especially when you don't want it to overpower the design of your bath or powder room. More important, it shouldn't call attention to itself when it's working. So we developed the Ultra Silent™ Series to provide our quietest bath fans yet. With an energy efficient option, it simply does its job quietly, in every sense of the word.

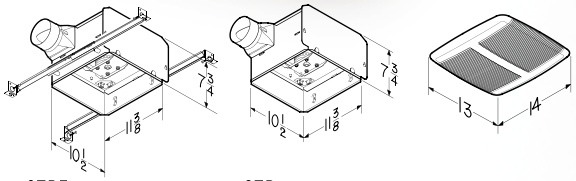
QTXE, QTRE and QTR Fan Features

- Nearly silent operation <0.3 to 1.5 sones
- 50 CFM to 150 CFM
- QTXE features 6" ducting for superior performance
- QTRE and QTR models feature 4" ducting
- QTRE and QTXE models are Energy Star qualified
- QTXE, QTRE and Housing Project Packs include hanger bar system for fast, flexible installation for all types of construction
- Motor engineered for continuous operation
- HVI Certified
- UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit

QTXE Models



QTRE & QTR Models



QTRE QTR

Fan Model	CFM	Sones	Energy Star	Bath Sq. Ft.	Ducting
QTXE050	50	<0.3	Yes	45	6"▲
QTXE080	80	0.3	Yes	75	6"▲
QTXE110	110	0.7	Yes	100	6"▲
QTXE110S	110	0.7	Yes	100	6"▲
QTXE150	150	1.4	Yes	140	6"▲
QTRE080	80	0.8	Yes	75	4"
QTRE110	110	1.3	Yes	100	4"
QTR050+	50	0.4	—	45	4"
QTR080	80	1.0	—	75	4"
QTR110	110	1.5	—	100	4"

Energy Star fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.
▲ See page 50 for 6" ducting (DT6W) product specifications.
+ Only available in project packs.

Project Packs Available for QTRE and QTR models

To simplify installation, Project Packs are available with either four fan or fan/light housings only. When drywall work and painting is complete, the fan components needed to finish the job are available in single packs under separate model numbers. These finish kits include the motor plate, motor, wheel and grille. See the matrix below for Project Pack order information.

Project Pack	Kit number:	For model:
Four-pack of FAN housings only:	QTXR000HF	
One-pack finish kits for FAN models:	QTRE080F	QTRE080
	QTRE110F	QTRE110
	QTR050F+	QTR050+
	QTR080F	QTR080
	QTR110F	QTR110

+Only available in Project Packs.

QTRE080F QTR050F+
QTRE110F QTR080F
QTR110F

QTXRN000HF

690 Bath Fan Upgrade Kit

The Broan bath fan upgrade kit lets you convert your old bath fan to a brand new unit in just 10 minutes. Improve performance, reduce the sound level, and upgrade the appearance of your economy fan in minutes.

- Cut sound levels up to 50%
- Boost air movement up to 20%
- 10 minute installation
- 60 CFM, 3.0 Sones
- Modern white grille
- No special tools needed

Broan 690 Upgrade Kit replaces the models below:

If your grille looks like this:	The fan is very likely one of these models:	Housing dimensions:
	NuTone 693, 695, 696N	7½" x 7¼" or 8" x 7¼"
	Broan 670, 671, 688, 689	7½" x 7¼"
	Nautilus N671, N688	

Radiation/Fire Damper Fan Project Packs

A fire resistant screen automatically closes when excessive heat is detected. The breakaway fusible link triggers the closing of the radiation damper's fire resistant screen to prevent smoke and fire from traveling through the ductwork.

- 165° fusible link
- Galvanized Steel Frame
- Stainless steel negator-type closure spring
- UL Classified (UL Standard 555C) for use in 1-, 2-, 3-hour fire-rated floor-ceiling or roof-ceiling designs
- All models offered as Project Packs
- HD models feature a heavy-duty motor

Project Finish Packs include:

- Assembled motor plate, wheel and plug-in motor
- Rugged metal grille for added durability

Models 80RDF, 110RDF, HD50RDF and HD80RDF

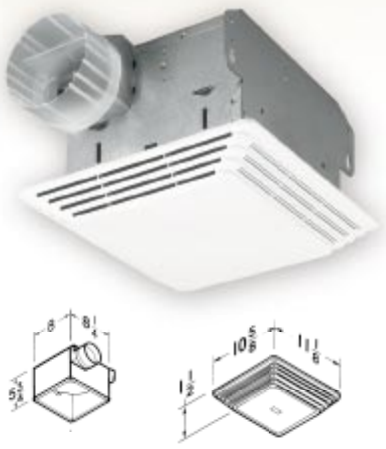
Project Housing Pack includes:

- Rough-in housing with attached radiation/fire damper
- Adjustable hanger bars that span up to 24"
- 4" metal duct connector with damper

Model RDH

Model	CFM	Sones	4-Pack	Notes
RDH	—	—	Housing	—
80RDF	80	2.5	Finish	—
110RDF	110	4.0	Finish	—
HD50RDF	50	1.5	Finish	Heavy-duty Motor
HD80RDF	80	2.5	Finish	Heavy-duty Motor

Ceiling Mount



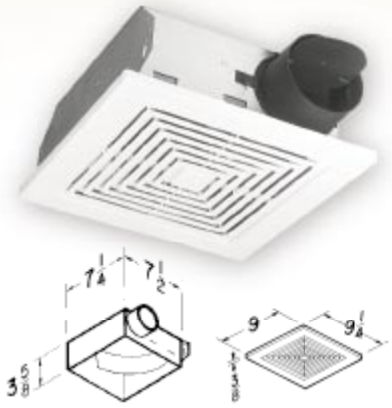
- 80 to 110 CFM
- Centrifugal blower wheel and 4-pole motor deliver high exhaust capacity at low sound levels
- White polymeric grille complements virtually any decor
- Torsion spring grille mounting—no tools necessary
- Metal grille kits (available separately)
- *Project Packs available

Model	CFM	Sones
676	110	4.0
684	80	2.5

***Project Packs** are convenient options for today's contractor. Broan "H" Packs include rough-in housings only, making multi-unit installation more convenient. "F" Packs allow motor/blower and grille assemblies to be ordered separately, nearer project completion, to help avoid losing or having to store components.

HVI CERTIFIED

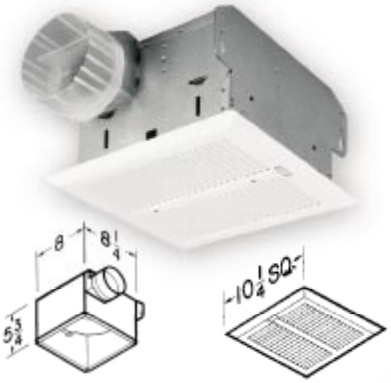
Ceiling/Wall Mount



- 50 to 70 CFM
- Powerful centrifugal blower wheel
- Compact housing fits between ceiling joists or wall studs
- Double-strength steel mounting flanges with keyhole slots for fast installation
- Metal grille kits (available separately)
- *Project Packs available for most models

Model	CFM	Sones	Notes
670	50	3.5	Wall/Ceiling mount
671	70	6.0	Wall/Ceiling mount
688	50	4.0	Wall/Ceiling mount
689	60	5.5	Wall/Ceiling mount

Heavy-duty operation



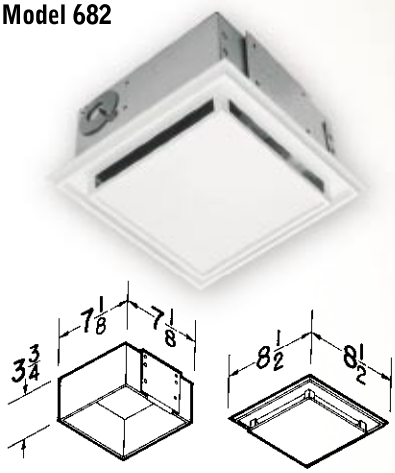
- Enclosed motors with long-life bearings for continuous operation
- Rugged metal fan grille for added durability, easier cleaning
- Grille torsion spring-mounted for easy installation
- Pre-wired outlet for plug-in motor plate
- AMCA licensed for both air and sound

Model	CFM	Sones
HD50	50	1.5
HD80	80	2.5

Duct-free

This easy-to-install solution is ideal where air circulation is needed but ducting is impossible or impractical. Use it as a solution for half baths or rooms where humidity isn't a concern.

Model 682



- Patented, fast snap-in metal housing installation
- Whisper-quiet fan circulates air past replaceable activated charcoal filter

Model	CFM	Sones	Notes
682	—	—	Duct-free Circulation

Broan Ventilation Fans – Utility

Eliminate humidity or tobacco smoke from recreation rooms, workshops, or cooking odors from kitchens with these powerful utility ventilators. Aluminum filters are available for most models. All feature powerful, permanently lubricated motors and rugged steel housings. Paint the low-profile white polymeric grilles to match any décor.

Chain-Operated utility fan

- Pull-chain opens the door and starts fan
- Housing adjusts to fit walls from 4-1/2" – 9-1/2" thick
- Specially designed polymeric fan blade
- Housing features foam-insulated door for energy efficiency

Model 506
- 10" Wall Fan

Model 507
- 8" Wall Fan (8-3/8" diameter sleeve)

HVI CERTIFIED

Room-to-Room

- Room-to-Room ventilators provide quick solutions where more ventilation is needed – without installing new ductwork
- Built-in variable speed control
- Easy installation through wall 3" – 5-1/2" thick
- Permanently lubricated motor
- Paintable white polymeric grilles

Model 510
- 10" Room-to-Room fan

Model 511 (shown)
- 8" Room-to-Room fan

Wall/Ceiling Mount – Side Discharge

- Installs easily between ceiling joists or wall studs
- Built-in damper prevents backdrafts
- Fits 3-1/4" x 10" duct

Model 502 (shown)
- 10" Side Discharge

Model 503
- 8" Side Discharge

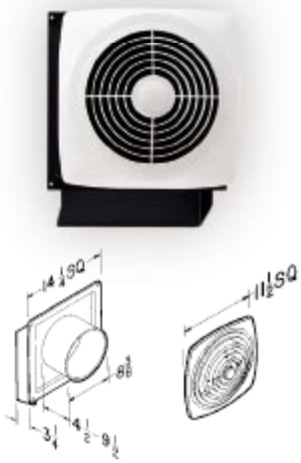
Model 503

Model 502

	CFM	Sones	Diameter	Sizing Specifications
Wall/Ceiling-Mount, Side Discharge				
502	270	8.0	10"	Fits 3-1/4" x 10" duct
503	160	5.0	8"	Fits 3-1/4" x 10" duct
Chain-Operated				
506	470	8.0	10"	Fits 4-1/2" – 9-1/2" thick walls
507	250	7.0	8"	Fits 4-1/2" – 9-1/2" thick walls
Room-to-Room				
510	380	6.5	10"	Fits 3" – 5-1/2" thick walls
511	180	4.5	8"	Fits 3" – 5-1/2" thick walls

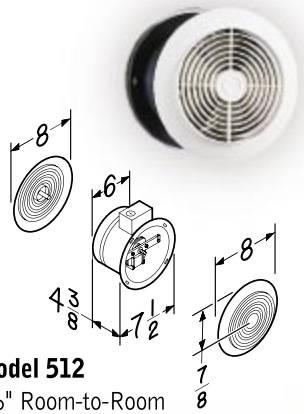
Through-Wall fans

- Housing adjusts to fit walls from 4-1/2" – 9-1/2" thick
- Specially designed polymeric fan blade
- Built-in damper minimizes backdrafts for energy efficiency
- Paintable polymeric grilles
- Accessorize with wall switch or variable speed wall control



Model 508
- 10" Through-Wall

Model 509 and 509S
- 8" Through-Wall
- Model 509S features an integral ON/OFF rotary switch – no wall switch to wire



Model 512
- 6" Room-to-Room
- Use 57W or 57V variable speed control separately

Model 512M
- 6" Through-Wall
- Louvered exterior wall cap with built-in bird screen
- 6" diameter flexible aluminum duct included

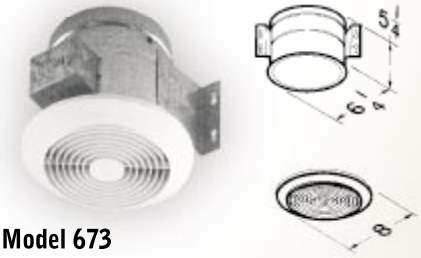
Model 12C Motordor®
- 10" Through-Wall
- Separate motor opens and closes the vent door automatically

Vertical Discharge

- Installs easily between ceiling joists
- Built-in backdraft damper
- Galvanized steel housing
- Strong steel mounting brackets with keyhole slots for fast installation

Model 504 (shown)
- 10" Vertical Discharge
- Fits 10" round duct – use Model 472 transition/damper (available separately) for 8" round duct (performance will be reduced)

Model 505
- 8" Vertical Discharge
- 8-1/4" diameter housing



Model 673
- 6" Vertical Discharge
- Paintable, spin-on, white polymeric grille

Through-Wall	CFM	Sones	Diameter	Sizing Specifications
12C Motordor®	360	8.0	10"	Fits 5-1/2" – 9-7/8" thick walls
508	270	6.0	10"	Fits 4-1/2" – 9-1/2" thick walls
509/509S	180	6.5	8"	Fits 4-1/2" – 9-1/2" thick walls 509S integral ON/OFF Rotary Switch
512	90	3.5	6"	Fits up to 5-1/8" thick walls
512M	70	3.5	6"	Fits 5-1/4" – 10" thick walls
Vertical Discharge				
504	350	6.5	10"	Fits 10" round duct
505	180	6.5	8"	Fits 8" round duct
673	60	4.5	6"	Fits 6" round duct

HVI CERTIFIED

Broan Ventilation Fans – In-Line

Remote Mounted In-Line Ventilation Fans are quiet and efficient residential solutions. The concept is simple: mount a high-performance ventilator in an out-of-the-way spot and you get the power with virtually no sound. Install the housing in the attic or the basement, wherever it's most convenient and discrete.

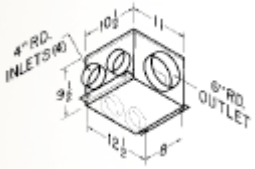
Multi- and Single-port In-Line Ventilators Features

- Energy-efficient, permanently lubricated motors
- High pressure centrifugal blowers easily accommodate long duct runs
- Designed for quick, easy installation
- HVI certified and AMCA licensed
- Suitable for intermittent or continuous ventilation applications
- Removable panels offer easy access to the motor without disturbing ductwork
- Plug-in blower simplifies wiring

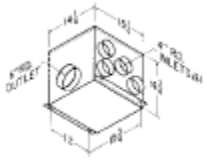
Multi-Port In-Line Ventilators

- Ventilate multiple bathrooms or other rooms simultaneously
- Great solution for large, open spaces
- Install in virtually any orientation
- 6" round outlet; 4" round inlets (two inlet duct covers included)
- Use 2, 3 or all 4 inlet ports

Model MP100, MP140, MP200

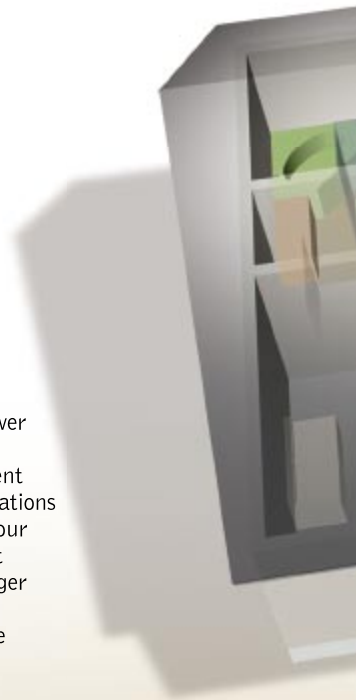


Model MP280



Multi-Port	CFM	Sones	Notes
MP100	110	1.0	Four inlets
MP140	150	1.5	Four inlets
MP200	210	2.0	Four inlets
MP280	290	3.0	Four inlets

HVI rated air flow at 0.2" static pressure. Sound test procedures are similar to HVI tests for other exhaust fans.

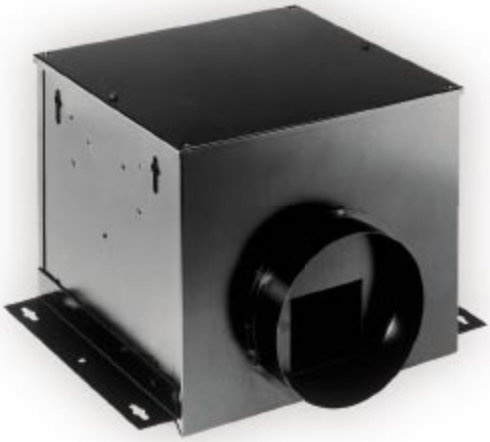


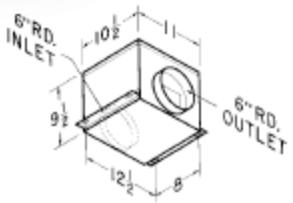
With a multi-port, In-line ventilation solution the blower is mounted away from the living area for virtually silent operation. Multi-port installations allow ventilation of up to four rooms, or use multiple inlet ports to clear the air in larger rooms. Single-port, In-line ventilators provide the same noise reduction benefits.

Single-Port In-Line Ventilators

- Ventilate any room in virtual silence
- 6" round outlet and inlet for easy duct connections (two inlet duct covers)

Model SP100, SP140, SP200





Model SP100
- 110 CFM 1.0 Sones

Model SP140
- 150 CFM 1.5 Sones

Model SP200
- 210 CFM 2.0 Sones

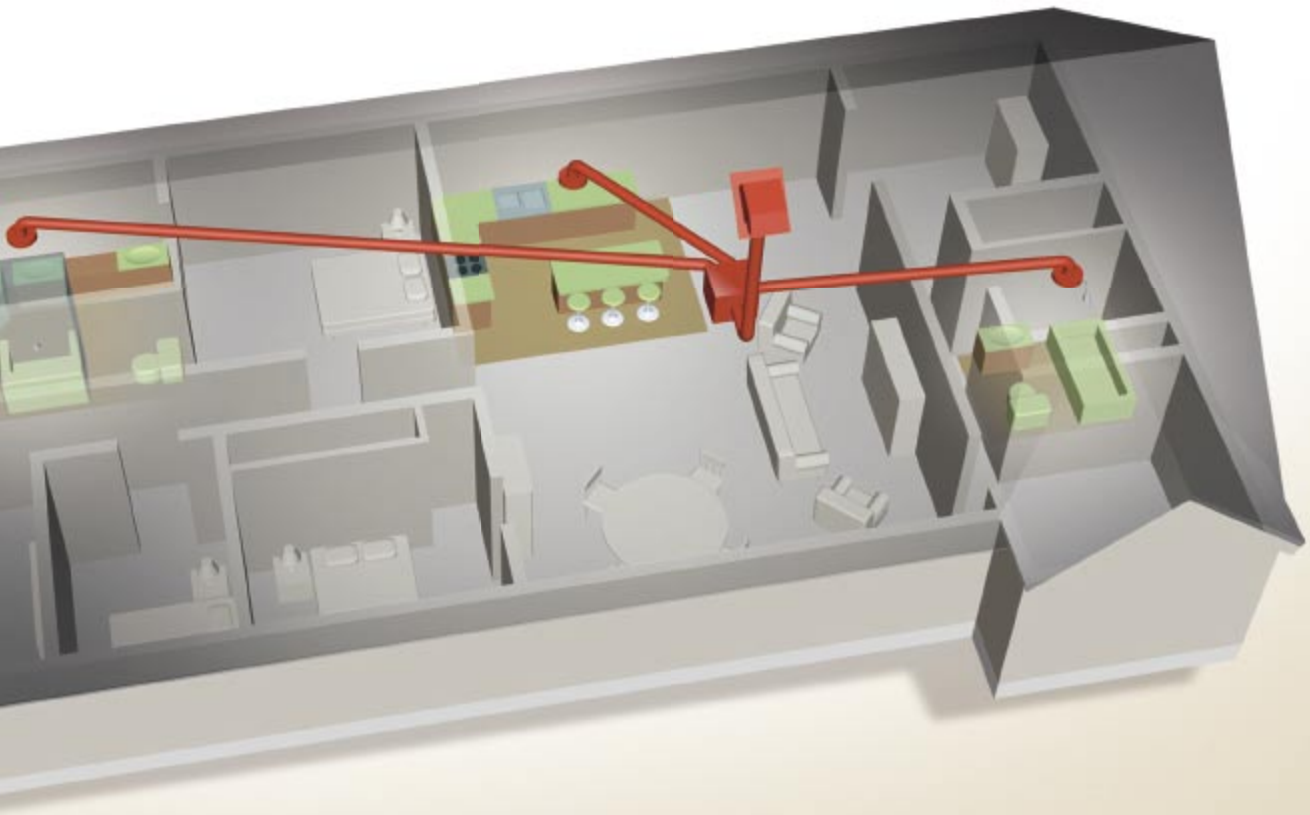
Room Inlets

- Models available for 6" (DF6) or 4" (DF4) round duct
- Install in ceiling or wall
- Paint to match room décor

Room Inlets Model DF4 and DF6

Single Port	CFM	Sones	Notes
SP100	110	1.0	One inlet only
SP140	150	1.5	One inlet only
SP200	210	2.0	One inlet only

HVI rated air flow at 0.2" static pressure. Sound test procedures are similar to HVI tests for other exhaust fans.



Incredibly reliable. Remarkably quiet.

Broan high capacity fans are an exceptionally quiet solution to continuous ventilation. With their heavy-duty motors, high capacity fans are an ideal solution for conference rooms, public restrooms, commercial kitchens and spaces that require ongoing ventilation. Low-vibration and low-profile, they work quietly without getting noticed.

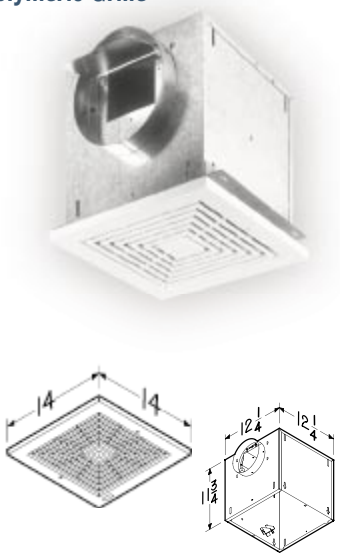
Broan High Capacity Fan Features

- Acoustic insulation lines the housing to reduce sound levels (kitchen and dedicated in-line models have no insulation)
- Quiet, low RPM motor is permanently lubricated for continuous operation
- Automatic backdraft damper built into the duct connector
- Resilient motor mounts minimize vibration
- Impact-resistant, balanced centrifugal blower wheel ensures consistent performance
- 8-way adjustable mounting brackets permit installation flexibility
- Round duct connectors on many models simplify installation
- Heavy gauge galvanized steel housing
- Low profile, impact-resistant, high-strength polymeric or white enameled steel grilles (varies by model)
- Quick, simple wiring from either inside or outside of the housing
- AMCA licensed for air and sound
- Duct horizontally, vertically or in-line

100/150 CFM High Capacity Fan Features

- 6" round duct connector
- Single, impact-resistant centrifugal blower wheel housing
- Duct horizontally or vertically, or in-line with a separate adapter
- Ceiling mount models available in 240V (add EX to model number) and 277V (add C to model number)
- Low profile, white polymeric or painted white enamel steel grille
- Models L100L and L150L are UL Listed for use over bath-tubs or showers when connected to a GFCI branch circuit
- Broan Electronic Variable Speed Controls adjust blower speed and sound level (available separately) – see page 47

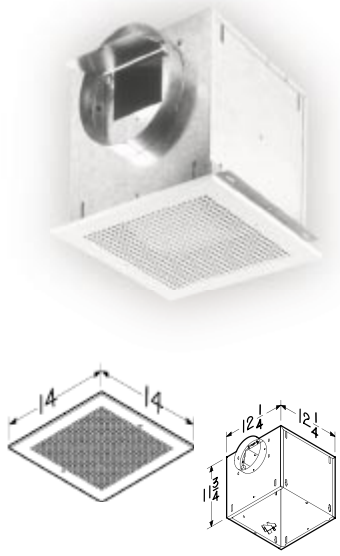
Polymeric Grille



Model L100
- 120V, 1.1 amps
- White polymeric grille

Model L150
- 120V, 1.3 amps
- White polymeric grille

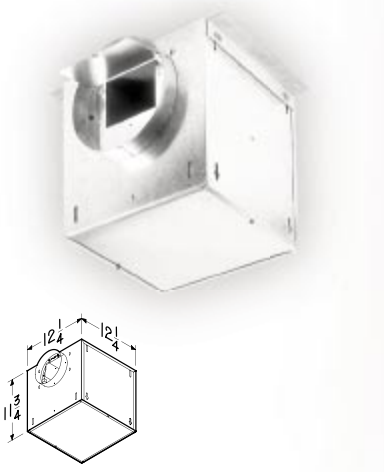
Metal Grille



Model L100MG
- 120V, 1.1 amps
- White enamel steel grille

Model L150MG
- 120V, 1.3 amps
- White enamel steel grille

In-Line Ventilators



- Removable access panel, no insulation
- Two 6" round duct connectors

Model L100L (shown)
- 120V, 1.1 amps
- White polymeric grille

Model L150L
- 120V, 1.3 amps
- White polymeric grille

Model	CFM	Sones	Notes
L100	109	0.9	White polymeric grille
L150	157	1.5	White polymeric grille
L100MG	115	0.9	White Metal grille
L150MG	161	1.4	White Metal grille
L100L	106	0.7	In-line/Suitable for kitchens
L150L	147	1.1	In-line/Suitable for kitchens

Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.

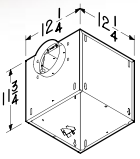
Adjust ventilation easily in any room.
Model 80L Variable Speed Control mounts inside the fan housing and allows blower speed adjustment to balance ventilation.
- For Broan High Capacity Fans L100–L900L
- Speed control with metal housing
- Fan insulation is perforated for easy installation
- 120 V, 3 amps, 60 Hz
- UL Listed

Broan Ventilation Fans – High Capacity

200/250/300 CFM High Capacity Fan Features

- 8" round duct connector
- Single, impact-resistant centrifugal blower wheel (Model L300KMG has a metal wheel)
- 20 gauge galvanized steel housing
- Duct horizontally or vertically
- In-line ducting available with separate adapter
- Ceiling mount models available in 240V (add EX to model number) and 277V (add C to model number)
- Models L200L, L250L and L300L are UL Listed for use over bathtubs or showers when connected to a GFCI branch circuit
- Use Broan Electronic Variable Speed Control to adjust blower speed and sound level (available separately)

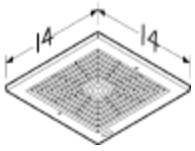
Polymeric Grille



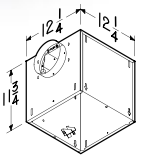
Model L200 (shown)
- 120V, 1.8 amps

Model L250
- 120V, 2.1 amps

Model L300
- 120V, 2.6 amps



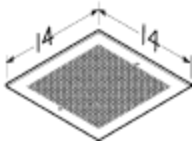
Metal Grille



Model L200MG (shown)
- 120V, 1.8 amps

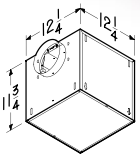
Model L250MG
- 120V, 2.1 amps

Model L300MG
- 120V, 2.6 amps



Model L300KMG
- Suitable for kitchen installations
- 120V, 2.6 amps
- Metal wheel
- Order Aluminum Filter LAF1

In-Line Ventilators



- Suitable for kitchen installations
- Removable access panel – no insulation

Model L200L (shown)
- 120V, 1.8 amps

Model L250L
- 120V, 2.1 amps

Model L300L
- 120V, 2.6 amps

Model	CFM	Sones	Notes
L200	210	1.7	White polymeric grille
L200MG	215	1.9	White Metal grille
L200L	195	1.9	In-line
L250	259	2.2	White polymeric grille
L250MG	265	2.5	White Metal grille
L250L	245	2.3	In-line
L300	308	2.9	White polymeric grille
L300MG	316	3.0	White Metal grille
L300L	293	3.1	In-line
L300KMG	277	3.1	White Metal grille

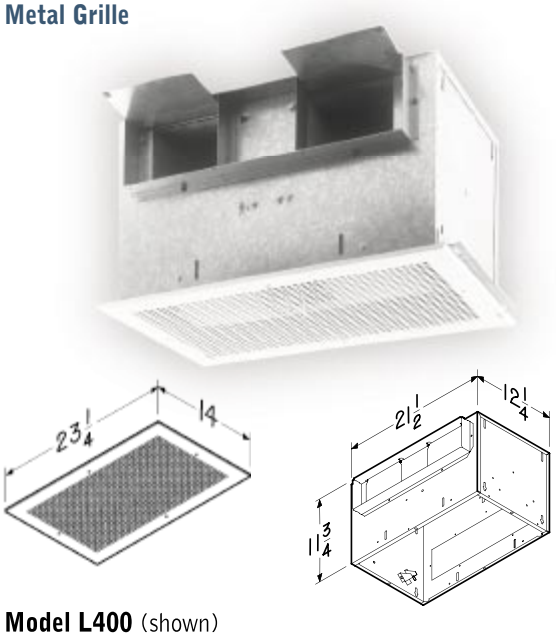
Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.

Adjust ventilation easily in any room.
Model 80L Variable Speed Control mounts inside the fan housing and allows blower speed adjustment to balance ventilation.
- For Broan High Capacity Fans L100–L900L
- Speed control with metal housing
- Fan insulation is perforated for easy installation
- 120 V, 3 amps, 60 Hz
- UL Listed

400/500/700 CFM High Capacity Fan Features

- 4-1/2" x 18-1/2" duct connector
- Painted white enamel steel grille
- Two impact-resistant centrifugal blower wheels
- Duct horizontally or vertically – In-line available with separate adapter
- Ceiling mount models available in 240V (add EX to model number) and 277V (add C to model number)
- Quiet automatic backdraft dampers
- Use Broan Electronic Variable Speed Control to adjust blower speed and sound level (available separately)
- Models with "K" suffix suitable for kitchens

Metal Grille



Model L400 (shown)
- 120V, 1.4 amps

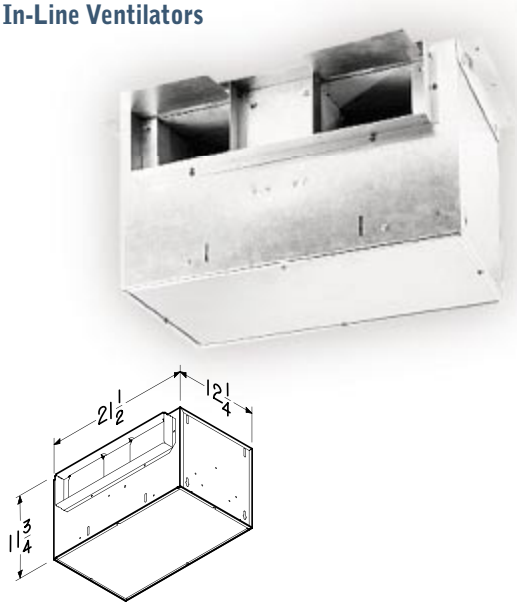
Model L400K
- Suitable for kitchen use
- Two metal centrifugal blower wheels
- Order Aluminum Filter LAF2

Model L500
- 120V, 2.2 amps

Model L500K
- Two metal centrifugal blower wheels
- 120V, 2.2 amps
- Order Aluminum Filter LAF2

Model L700
- 120V, 2.9 amps

In-Line Ventilators



Model L400L (shown)
- In-line model has removable access panel and no insulation
- 120V, 1.4 amps

Model L500L
- In-line model has removable access panel and no insulation
- 120V, 2.2 amps

Model L700L
- Removable access panel – no insulation
- 120V, 2.9 amps

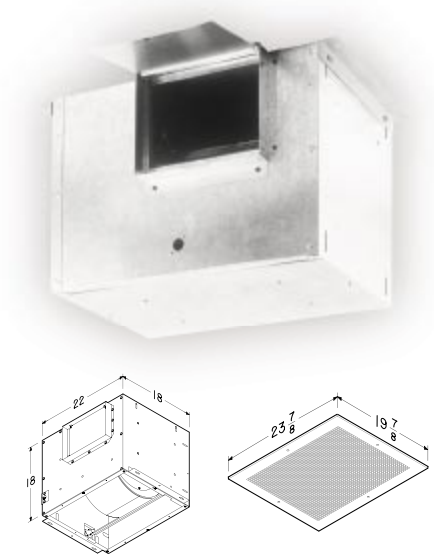
Model	CFM	Sones	Notes
L400	434	2.3	Metal Grille
L400K	406	3.3	Suitable for kitchens
L400L	406	1.6	In-line
L400KL	375	3.1	—
L500	514	3.3	Metal Grille
L500K	481	4.4	Suitable for kitchens
L500L	519	3.4	In-line
L500KL	472	3.8	—
L700	701	4.7	Metal Grille
L700L	681	3.7	In-line

Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.

Adjust ventilation easily in any room.
Model 80L Variable Speed Control mounts inside the fan housing and allows blower speed adjustment to balance ventilation.
- For Broan High Capacity Fans L100–L900L
- Speed control with metal housing
- Fan insulation is perforated for easy installation
- 120 V, 3 amps, 60 Hz
- UL Listed

900 and 1500 CFM Fans

Metal Grille

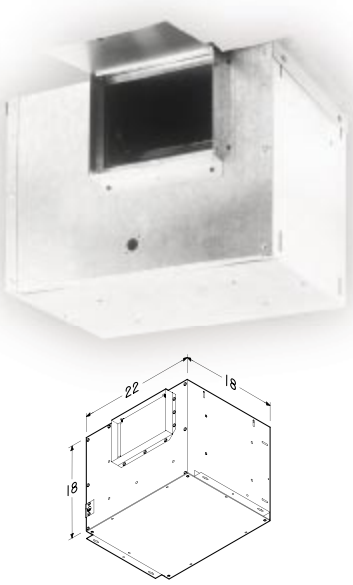


- 8" x 12" duct
- Sound-absorbing acoustic insulation
- Painted white enamel steel grille
- Single, impact-resistant centrifugal blower wheel
- Ducted horizontally or vertically, or in-line with separate adapter
- Ceiling mount models available in 240V (add EX to model number) and 277V (add C to model number)
- Use Electronic Variable Speed Control to adjust blower speed and sound level (available separately)

Model L900 (shown)
- 120V, 3.0 amps
- L900 can use the 80L variable speed blower control (sold separately)

Model L1500
- 120V, 5.0 amps

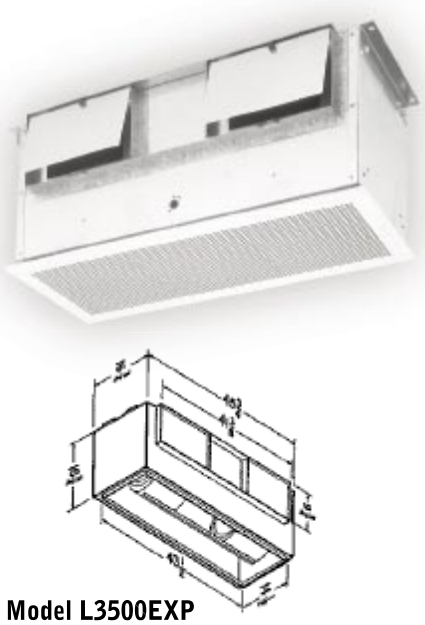
In-Line Ventilators



Model L900L
- Removable access panel – no insulation
- 120V, 3.0 amps
- L900L can use the 80L variable speed blower control (sold separately)

Model L1500L
- Removable access panel – no insulation
- 120V, 5.0 amps

2000 and 3500 CFM Fans



Model L3500EXP
- Shipped as in-line—optional metal grille and damper kit
- 20 gauge galvanized steel housing
- Metal centrifugal blower wheels (shown with optional grille and damper kit)

Model L2000L (shown)
- 38"L x 14-5/8"W x 14-5/8"H
- Fits 7-3/4" x 33-3/4" duct
- 120V, 5.8 amps
- Optional metal grille (Model G102) and damper kit (Model D100)

Model L3500EXL
- 43-1/2"L x 14-1/2"W x 16-3/4"H
- Fits 9-3/4" x 41-3/8" duct
- 240V, 5.4 amps
- Optional metal grille (Model G103) and damper kit (Model D101)

Model	CFM	Sones	Notes
L900	901	4.1	–
L900L	894	3.8	In-line
L1500	1513	8.4	–
L1500L	1214	6.7	In-line
L2000L	1791	9.4	In-line
L3500EXL	3452	14.5	In-line

Sones and CFM listed for ceiling mount models are for horizontal ducting at .125" static pressure. For In-line models, performance listed is for straight-thru ducting at .125" static pressure. For complete Sones and CFM at other static pressures, see our web site at www.Broan.com.

Broan Ventilation Fans – High Capacity Accessories & Radiation Dampers

Roof Caps

Model 437

- High-capacity design up to 1200 CFM
- Built-in bird screen
- Steel housing, black electrically bonded epoxy finish

Model 611

- For flat roof installation
- Aluminum natural finish
- For up to 8" round duct

Model 611CM

- For curb mount installation
- Other features same as Model 611

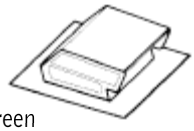
Model 612

- For flat roof installation
- Aluminum natural finish
- For up to 12" round duct

Model 612CM

- For curb mount installation
- Other features same as 612

Model 634



- For 3-1/4" x 10" or up to 8" round duct
- Built-in backdraft damper and bird screen
- Steel housing, black electrically bonded epoxy finish

Model 634M

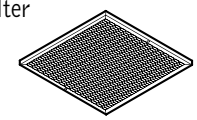
- Same as Model 634, except for 6" round duct

Model 644

- Same as Model 634, except aluminum natural finish

Grease Filters

Models LAF1 & LAF2



- Aluminum mesh filter traps grease and protects motor
- Dishwasher safe
- LAF1 (12" x 12") for L100/150/200/250/300 Series
- LAF1 for use with metal grilles
- LAF2 (12" x 21-1/4") for L400/500 Series

Wall Caps

Model 441

- For 10" round duct
- Steel with aluminum louvers

Model 613

- For 12" round duct
- Built-in backdraft damper and bird screen
- Aluminum natural finish

Model 641

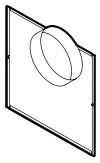
- Same as Model 613, except for 6" round duct

Model 643

- For 8" round duct
- Built-in backdraft damper and bird screen
- Aluminum natural finish

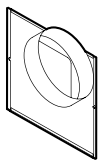
In-line Adapters

Model 961L



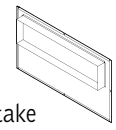
- For L100/L150 Series
- Galvanized steel
- 6" round duct intake

Model 981L



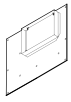
- For L200/L250/L300 Series
- Galvanized steel
- 8" round duct intake

Model 982L



- For L400/L500/L700 Series
- Galvanized steel
- 4-1/2" x 18-1/2" duct intake

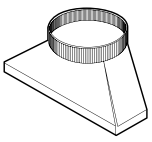
Model 983L



- For L900/L1500 Series
- Galvanized steel
- 8" x 12" duct intake

Duct Transitions

Models 423 & T81212



- Galvanized steel
- Transition quickly, easy to obtain/ install round ducting
- 423: (4-1/2" x 18-1/2" to 10" round)
- T81212: (8" x 12" to 12" round)

Vibration Dampening Hampers

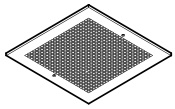
(Not shown)

Model V104

- For Models L2000L/L3500EXL
- Heavy gauge steel construction
- Neoprene vibration dampening cushion
- Maximum load 75 lbs (each)
- For 3/8" diameter threaded rod (available separately from others)
- Set of four required for each ventilator

Metal Grille Kit

Model MG1



- For L100/150/200/250/300 Series
- White enamel painted steel
- Mounting screws included

Radiation Dampers/Fans

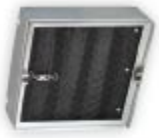
A fire resistant screen automatically closes when excessive heat is detected. The breakaway fusible link triggers the closing of the radiation damper's fire resistant screen to prevent smoke and fire from traveling through the ductwork.

Features

- 165° fusible link
- Galvanized Steel Frame
- Stainless steel negator-type closure spring

High Capacity Models RD1, RD2 & RD3

- UL rated 3-hour ceiling radiation dampers
- High temperature, non-asbestos, reinforced fiber thermal fabric
- RD1 (12-1/2" x 12-1/2") for L100/150/200/250/300 Series
- RD2 (21-3/4" x 12-1/2") for L400/500/700 Series
- RD3 (22-1/4" x 18-1/4") for L900/1500 Series



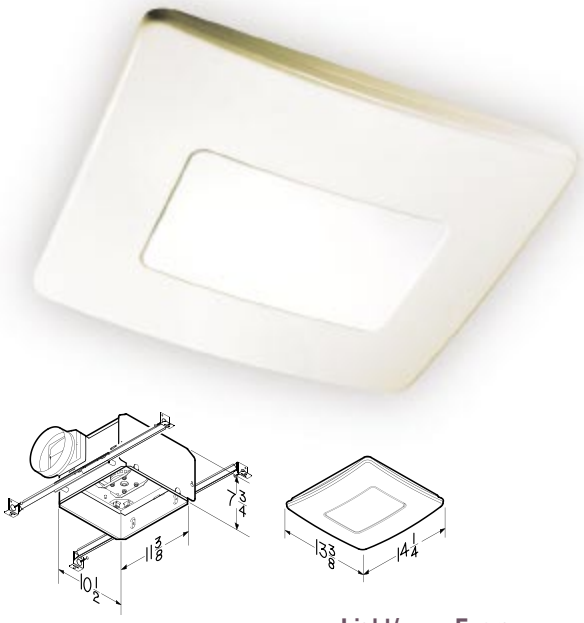
If you listen very closely,
you'll discover it's also a ventilation fan.

Broan Ultra Silent™ Series Fan Lights. The Ultra Silent™ line is the ultimate bath fan solution for today's homes. Select an Ultra Silent™ Series fan/light to bring simple elegance to any bath or powder room. By sight or by sound, you'll barely notice an Ultra Silent™ fan. Except, of course, when you need just the right amount of ventilation and light at the touch of a switch.

QTXE, QTRE and QTR Fan/Light Features

- Nearly silent operation <0.3 to 1.4 sones
- 80 CFM to 150 CFM
- QTXE models feature 6" ducting for superior performance
- QTRE and QTR models feature 4" ducting
- QTRE and QTXE models are Energy Star qualified
- Bright, energy efficient 42 watt fluorescent bulb included with QTXE and QTRE models
- 100 watt lighting from an incandescent bulb on QTR models
- 4 watt nightlight on all models
- QTXE, QTRE and Housing Project Packs include hanger bar system for fast and flexible installation for all types of construction
- Motor engineered for continuous operation
- UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit
- HVI Certified
- Type IC

QTXE Models

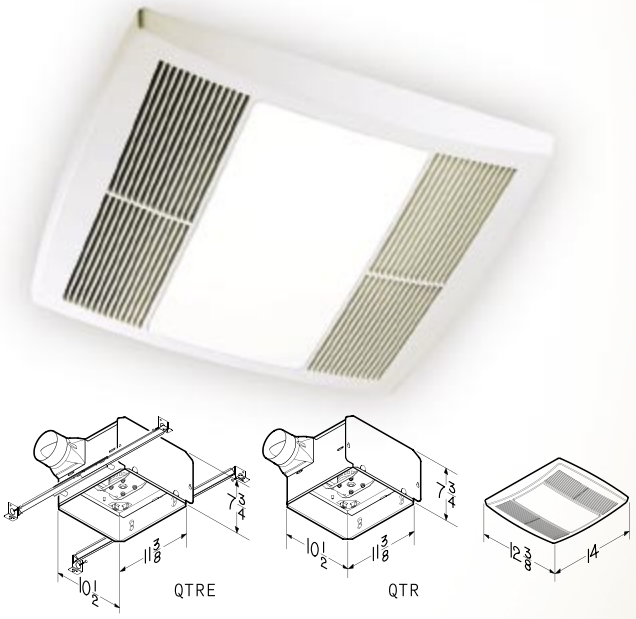


Model	CFM	Sones	Light/ nightlight	Energy Star	Duct
QTXE080FLT	80	0.3	42W / 4W	Yes	6"▲
QTXE110FLT	110	0.7	42W / 4W	Yes	6"▲
QTXE150FLT	150	1.4	42W / 4W	Yes	6"▲
QTRE080FLT	80	0.8	42W / 4W	Yes	4"
QTRE110FLT	110	1.3	42W / 4W	Yes	4"
QTR080L	80	1.0	100W / 4W	—	4"
QTR110L	110	1.5	100W / 4W	—	4"

Energy Star fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.
▲See page 50 for 6" ducting (DT6W) product specifications.

"T" models are Title 24-compliant.

QTRE and QTR Models



Project Packs Available for QTRE Models

To simplify installation, Project Packs are available with either four fan or fan/light housings only. When drywall work and painting is complete, the fan components needed to finish the job are available in single packs under separate model numbers. These finish kits include the motor plate, motor, wheel and grille. See the matrix below for Project Pack order information.

Project Pack	Kit number:	For model:
Four-pack of FAN/LIGHT housings only:	QTXR000HL	
One-pack finish kits for FAN/LIGHT models:	QTRE080FLFT QTRE110FLFT	QTRE080FLT QTRE110FLT

QTRE080FLFT
QTRE110FLFT

QTXR000HL

Broan Ventilation Fan/Lights – Decorative

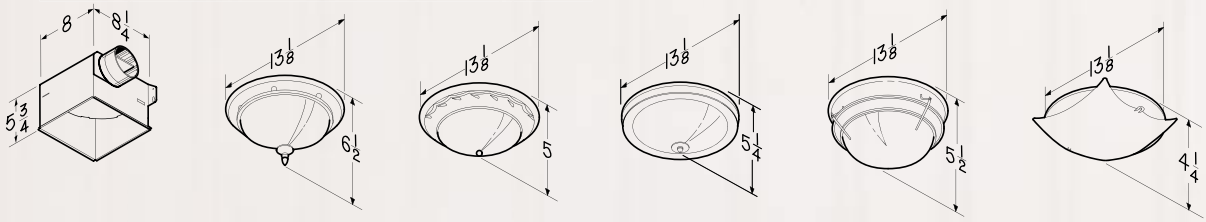
A beautiful balance of elegance and performance. Now you can ventilate while adding quiet elegance and exceptional design to your bathroom or any other room in your home. The Broan series of decorative fan/lights delivers quality ventilation performance and compliments your room with beautifully styled glass globe lighting. These fan/lights are available in five, corrosion-resistant decorator finishes: oil-rubbed bronze, antique crackle nutmeg, pewter, satin nickel, and white.

Decorative Fan/Light Fixture Features

- 70 or 80 CFM
- 3.5 or 2.5 Sones
- Corrosion-resistant finishes
- Beautifully styled glass globes
- Use two 60-watt incandescent candelabra bulbs (not included)
- Plug-in lighting fixture and permanently lubricated motor
- Polymeric blower wheel
- Sturdy, keyholed mounting brackets for quick, accurate installation
- Tapered, polymeric 4" round duct fitting for easy, positive duct connection and no metallic clatter
- Type IC

Model 754RB

Model 754SN



Model 754RB, 754SN | Model 755 | Model 756 | Model 757PT, 757SN | Model 758

Model	CFM	Sones	Lighting	Finish
754RB	70	3.5	2-60W Candelabra	Oil-rubbed Bronze
754SN	70	3.5	2-60W Candelabra	Satin Nickel

HVI 2100 CERTIFIED

Model 755

Model 757PT

Model 756

Model 757SN

Model 758

Model	CFM	Sones	Lighting	Finish
755	70	3.5	2-60W Candelabra	Antique Nutmeg
756	80	2.5	2-60W Candelabra	White
757PT	80	2.5	2-60W Candelabra	Pewter
757SN	80	2.5	2-60W Candelabra	Satin Nickel
758	70	3.5	2-60W Candelabra	White

HVI 2100 CERTIFIED

Broan Ventilation Fan/Lights – Decorative

A beautiful balance of elegance and performance. Yes, it is a bath fan, but it's also a beautiful lighting fixture—an ideal combination of form and function. Available in four attractive finishes, there's a style to complement the most sophisticated decorating tastes. And with 120 watts of lighting there's ample light for any space.

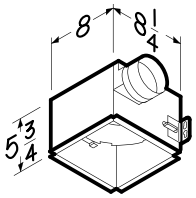
741 Decorative Glass Light Fixture/Fans Features

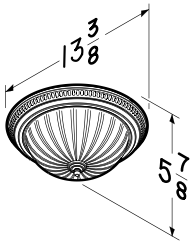
- 70 CFM, 3.5 Sones
- Corrosion-resistant finishes and glass globes
- Vent openings in base for exhaust fan
- 741 models use two standard 60-watt incandescent bulbs (not included)
- Plug-in lighting fixture and permanently lubricated motor
- Polymeric blower wheel
- Sturdy, keyholed mounting brackets for quick, accurate installation
- Tapered, polymeric 4" round duct fitting for easy, positive duct connection and no metallic clatter
- Type IC

Model 741BR

Model 741WH

Model 741SN





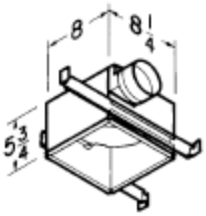
Model	CFM	Sones	Lighting	Finish
741BR	70	3.5	*120W Incandescent	Polished Brass
741SN	70	3.5	*120W Incandescent	Satin Nickel
741WH	70	3.5	*120W Incandescent	Gloss White
721	100	3.5	100W, 7W nightlight	Polished Brass/Oak

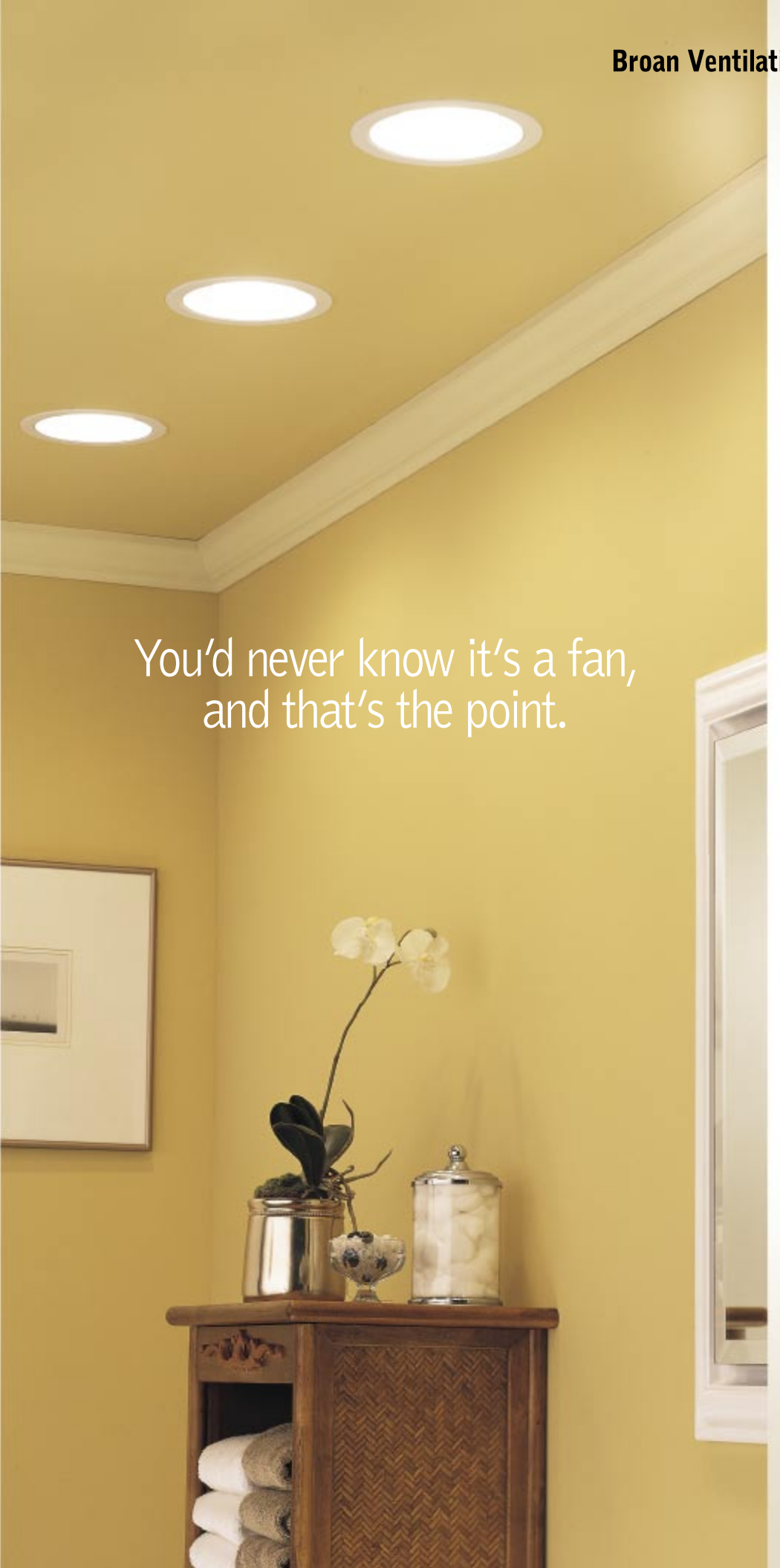
*Two (2) 60 watt bulbs.

HVI CERTIFIED

Model 721

- Solid oak frame with multi-layer moisture protection to resist high-humidity environments
- Polished brass-finished grille
- Bright 100-watt light capacity combines with a 7-watt nightlight for added security and safety (bulbs not included)
- Round design eliminates squaring with bathroom walls



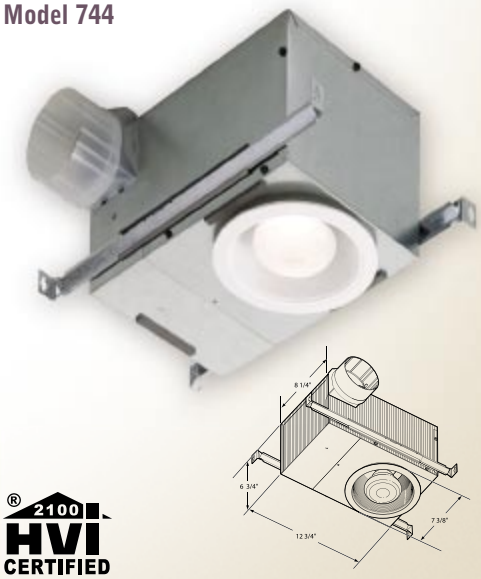


Broan took recessed lighting a step further by incorporating powerful ventilation in the same design. These fan/lights disappear into the ceiling with other recessed lights, so they are practical decorating solutions for any room in the house. In the bath they control humidity, and in a utility room, kitchen or high-traffic family room they keep the air fresh and comfortable.

Recessed Fan/Light

- High efficiency centrifugal fan delivers 70 CFM at 1.5 sones
- Trim matched to designs of major recessed light manufacturers
- Put multiple units in larger rooms
- Model 744 uses a 75 watt bulb, either R30 or BR30 for standard applications
- Model 744FL uses a 14 watt R30 shaped fluorescent bulb
- UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit. Model 744 also requires a PAR30L or PAR30LN type bulb.
- 6-7/8" high housing appropriate for new construction and 2" x 8" ceiling joists
- 4" round duct connector
- Not for use over cooking surfaces
- Optional wall control switches available
- Type IC, sealed housing

Model 744



2100 HVI CERTIFIED

Model	CFM	Sones	Lighting	Energy Star
744	70	1.5	75W	—
744FL	70	1.5	14W Fluor.	Yes

ENERGY STAR — Energy Star fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.

TITLE 24 COMPLIANT — Fluorescent lighting, Title 24 compliant.

Broan Ventilation Fan/Lights – Humidity Sensing

Broan Sensaire® technology detects rapid increases in moisture levels at the ceiling, where steam and humidity naturally rise. Regular humidistats located on the wall simply detect absolute humidity levels and are prone to false triggers, or not operating when they should.

An automated solution to fight excess humidity and mold. Our humidity sensing fans turn on and off automatically to help prevent cosmetic and structural problems associated with excess moisture.

Hands-free operation. Since you never have to worry about turning the fan on, Broan Ultra Silent™ is ideal for problem areas in residential, institutional and light-commercial applications. Our exclusive Sensaire® technology is a perfect solution for high-traffic bathrooms, or the kid's bathroom.

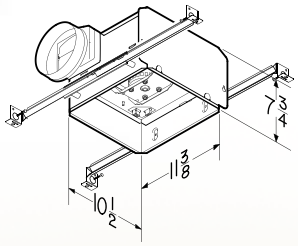
Adjust the sensitivity level and run-time. Just beneath the drop-down grille are easy-to-adjust sensitivity and run-time controls. Choose your preference, set with a screwdriver and forget it. Of course, you can always override the sensor at the touch of a switch.

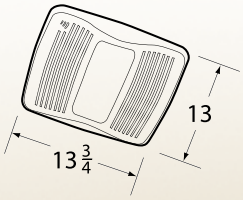
It turns off automatically, and that saves money. Humidity sensing fans are ideal for anyone who leaves the house before humidity is properly vented. With a fan this quiet, you can't forget to turn it off when the job is done. That saves energy, and money.

Humidity Sensing Fan/Light Features

- Broan Sensaire® detects the rapid rise in humidity over time
- Humidity is sensed at the ceiling where it is most prevalent
- Auto shut-off time is adjustable from 5 to 60 minutes
- Helps prevent lingering, excessive humidity which can cause mold
- Designed for easy installation
- 6" ducting for superior performance
- UL Listed for use over bathtubs and showers when connected to a GFCI protected branch circuit
- HVI Certified
- Type IC

QTX110SL & QTXE110SFLT* Humidity Sensing Fan/Light/Nightlight





Fan Model	CFM	Sones	Light/Nightlight	Energy Star	Bath Sq. Ft.	Ducting	Warranty
QTX110SL	110	0.9	100W/4W	—	100	6"	3 years
QTXE110SFLT*	110	0.7	42W fluor./4W	Yes	100	6"	3 years

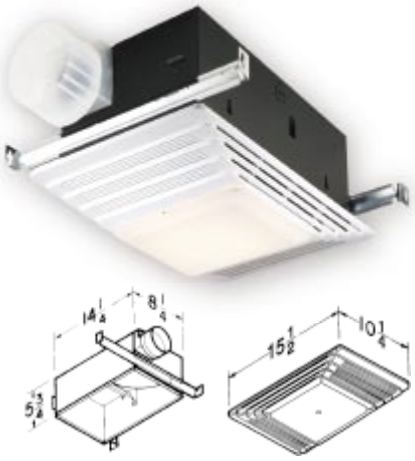
Energy Star fans use 65% less energy, on average, than standard models and may qualify for local utility rebates.

* Fluorescent lighting, Title 24 compliant.

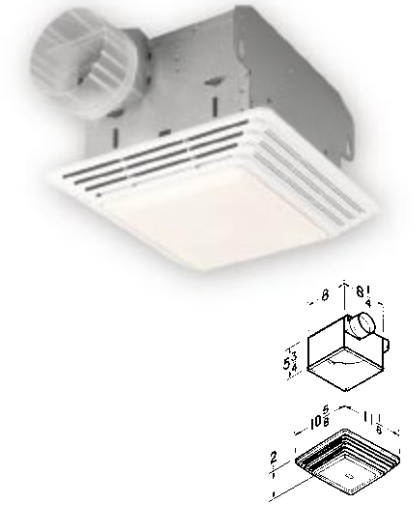
Fan/Light Combination Unit Features

- Classic white polymeric grilles
- Plug-in, permanently lubricated motor
- Efficient polymeric fan impeller
- Mounting ears offer sturdy, quick installation
- UL Listed for use over bathtubs or showers when connected to a GFCI protected branch circuit
- Polymeric duct connectors with tapered sleeves for easier, positive ducting
- Shatter resistant lighting lenses
- Select models available in Project Packs
- Recommended with optional two-function wall control
- Type IC

Model 657 & 696



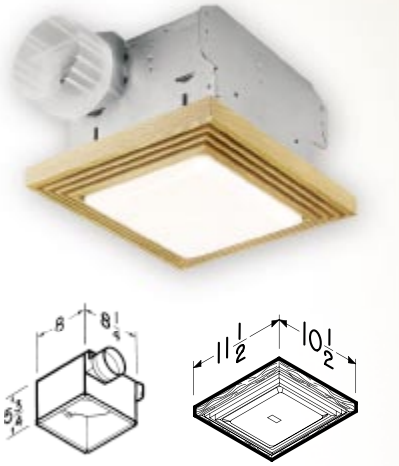
Model 678, 679, 679FLT, 680 & 680FLT



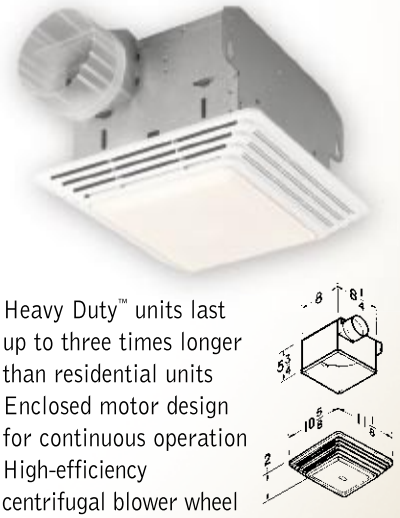
Model 750 & 751

- Round design eliminates squaring with bathroom walls
- Model 751 is the same as Model 750 without a nightlight

Model 707



Model HD50L & HD80L, Heavy Duty



- Heavy Duty™ units last up to three times longer than residential units
- Enclosed motor design for continuous operation
- High-efficiency centrifugal blower wheel

Model	CFM	Sones	Lighting	Notes
678	50	2.5	100 W	
679	70	3.5	100 W	
679FLT	70	3.5	13 W	Fluorescent, double twin-tube
680	100	4.0	100 W	
680FLT	100	4.0	13 W	Fluorescent, double twin-tube
657	70	4.0	100 W	
696	100	4.5	100 W	
707	70	3.5	100 W	Wood grain grille finish
750	100	3.5	100 W	White finish with 7W nightlight
751	100	3.5	100 W	White finish, no nightlight
HD50L	50	1.5	100 W	Heavy-duty motor
HD80L	80	2.5	100 W	Heavy-duty motor

HVI CERTIFIED

Fluorescent lighting, Title 24 compliant.

Comfort and convenience combined.

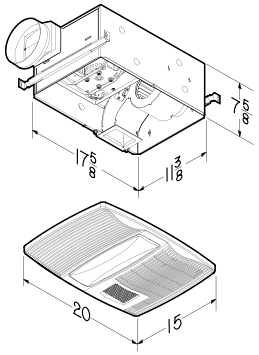
Broan Ultra Silent™ Series Heater/Fan/Lights. You could wait 15 minutes for your central heating system to take the chill from your bathroom, all while it heats every other room in the house. Or, you could select instant heat when it's needed with the QTX line. Powerful heating, light and ventilation are available at the touch of a switch. And with our PowerHeat design, you're assured that the energy converted to heat is efficiently delivered back to you.

QTX Heater/Fan/Light Features

- Heater/Fan/Light/Nightlight brings convenient, comforting warmth to your bathroom
- Nearly silent operation – 0.9 sone, 110 CFM fan
- Quiet, high-output 1500 watt heater with exclusive PowerHeat™ design (see below)
- 6" ducting for superior performance
- Bright 120 watt lighting (two 60W incandescent bulbs)
- 7 watt nightlight capacity
- Fan motor is engineered for continuous operation
- HVI Certified
- Type IC
- Requires a dedicated 20 amp circuit

QTX Heater/Fan/Light

PowerHeat™ is a Broan design which maximizes heat output per watt. By placing the heater element very close to the forced air exit grille, the internal components are not heated. Heat is delivered into the bathroom and does not escape into the ceiling or attic space.



Model	CFM	Sones	Bath Sq. Ft.	Lighting/ Nightlight	Heater Watts
QTX110HL	110	0.9	100	120W / 7W	1500

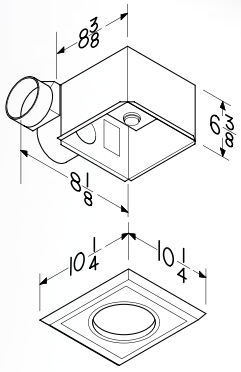
Broan Heater/Fan/Lights – Bulb

Silent warmth and superior ventilation. Trust Broan Bulb Heater/Fans for energy-saving warmth and instant comfort without ever having to touch your central thermostat. These units deliver superior performance and excellent ventilation — all in a compact package.

Heater/Fan Ventilating Features

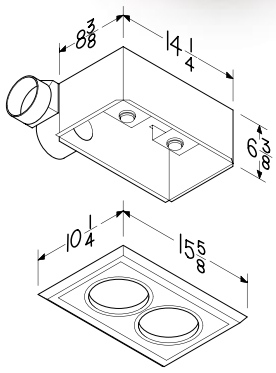
- Quiet, highly efficient polymeric blower wheels
- Dampers prevent backdrafts and eliminate mechanical noise
- Polymeric 4" round duct connectors with tapered sleeves simplify ducting
- Operate fan and heater bulbs independently or together
- Attractive white polymeric grilles
- Compact steel housings with adjustable mounting brackets with keyhole slots that span up to 24"
- 250-watt BR40 size infrared bulbs (not included)
- Type IC, UL Listed for 60°C wiring (retrofits)

Model 162



- One-Bulb Heater/Fan
- Choose two-function control (available separately)
- For one-bulb heater only (Model 161, see page 43)

Model 164



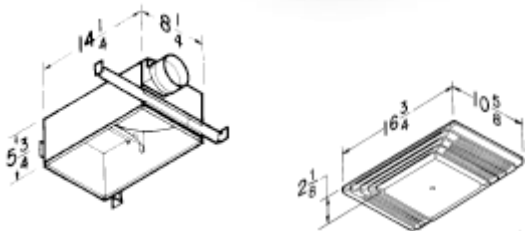
- Two-Bulb Heater/Fan
- Choose two-function control (available separately)
- For two-bulb heater only (Model 163, see page 43)

Model	CFM	Sones	Heater
162	70	3.5	One: 250-watt BR40 infrared bulb
164	70	3.5	Two: 250-watt BR40 infrared bulbs

Heaters & Heater Fans

- Designer white polymeric grilles complement virtually any décor
- Choose two- or three-function wall controls as appropriate (available separately)
- Fan, light and heater function independently or together
- Type IC

Model 655, 659, HFL695, 656



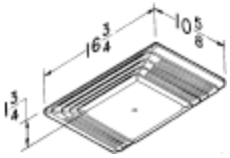
Model 655
- Heater/Fan/Light
- 20-amp circuit required

Model 659
- Heater/Fan/Light
- 15-amp circuit required

Model HFL695
- Heater/Fan/Light
- 20-amp circuit required

Model 656
- Heater/Light ONLY
- 15-amp circuit acceptable

Model 658



- Heater/Fan
- 15-amp circuit acceptable

Model	CFM	Sones	Lighting	Finish	Heater
655	70	4.0	100W	White Polymeric	1300W
656	No Fan	–	100W	White Polymeric	1300W
658	70	4.0	No Light	White Polymeric	1300W
659	50	2.5	100W	White Polymeric	1300W
HFL695	100	4.5	100W	White Polymeric	1300W

HVI CERTIFIED 2100

Turn up the heat, exactly where you want it,
and right when you need it.

Why spot heating makes sense in your home.

Think about it – you hastily get ready every morning, head for work, the office, or school, just when the central heating system has finished warming the entire house. It's about as inefficient as it gets. Spot heating solves that problem. No longer will you heat an entire home when you simply need a bit of comfort in the bath or dressing room.

100% Efficient Heating Element.

Even the most efficient central heating systems send heat up the chimney. But Broan spot heaters deliver every bit of energy back into your home. There's no external venting, so the electricity you convert to heat is delivered directly where you want it.

Simple, Safe and Efficient.

Permanently lubricated motors are quiet and require no maintenance. They can be operated by a built-in adjustable thermostat or an optional wall-mount controller. Heaters may be converted in the field to a choice of wattages/voltages. And for safety, heaters are thermal overload protected and the complete heater assembly conveniently removes from the housing for cleaning.

Broan Heaters

Heat that's ready when you're ready. A Broan Heater is the perfect solution for bathrooms or other areas where you want added warmth on demand. These versatile heaters are factory wired at 500W, 750W, 1000W, 1500W or 2000W, and can be easily converted to other wattages and voltages. With that kind of installation flexibility, you can count on Broan Heaters to deliver precisely what you need for your home.

Model 170, 174, 178

Model*	Watts	Volts	Amps
170	500W–1000W	120	4.16/8.33
	750W	208	3.61
	1000W	240	4.16
174	750W–1500W	120	6.25/12.5
	1125W	208	5.41
	1500W	240	6.25
178	750W–1500W	208	3.61/7.21
	1000W–2000W	240	4.16/8.33

*To be used to supply supplemental heat.

Model 170

- Factory wired for 1000W at 120V AC – easily converts to 500W at 120V AC or 1000W at 240V AC

Model 174

- Factory wired for 1500W at 120 V AC – easily converts to 750W at 120V AC or 1500W at 240V AC

Model 178

- Factory wired for 2000W at 240 V AC – easily converts to 1000W at 240V AC

Convenient. Rugged. Reliable.
Our sturdy 24-gauge steel housing mounts easily between studs in any standard wall, or can be surface mounted where needed. A housing mask prevents construction damage to roughed-in units, and protects the housing and its element. And a snap-out wiring cover allows wiring away from tight corners.

Project Packs. Heater housings can be ordered in sets of four for multi-unit installations. Individual grille and heating element sets can be ordered separately, nearer project completion. See price list for details.

Surface Mount Kit – Model 84

- Includes all hardware for surface mounting of Broan Comfort-Flo heaters
- White enameled, steel enclosure matches grille color
- Measure 12-3/8"W x 9-5/8"H x 3-7/8"D

High capacity wall heaters. When you need more power for high heat loss areas, Broan's large capacity wall heaters are an ideal solution for lobbies, entrance ways, vestibules or any area requiring high wattage heating. Our low-profile models feature an energy-saving, built-in fan-delay switch allowing the heating element to warm up before fan starts. To ensure proper shutdown, and maximize heat delivery, the fan remains on as the element cools down.

Model 192, 194, 198

Wall Heater Features

- Steel-sheathed, plate-finned, heavy-duty enclosed heating element
- Adjustable, built-in, heavy-duty, disc-type thermostat
- Manual reset overload protection
- Internal fan delay prevents cold air delivery

Model 192

- Factory wired for 2000W at 240V AC – easily converts to half-wattage

Model 194

- Factory wired for 3000W at 240V AC – easily converts to half-wattage

Model 198

- Factory wired for 4000W at 240V AC – easily converts to half-wattage

Surface Mounting Kit

Model 85

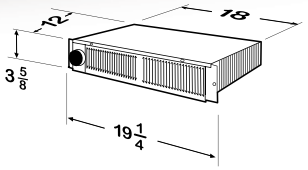
- Includes all hardware for surface mounting of Broan High-Capacity heaters
- Color coordinated to match heater grille
- Heavy-duty 22-gauge steel
- Measures 17-3/4"W x 21-5/8"H x 3-3/4"D

Model*	Watts	Volts	Amps
192	750W–1500W	208	3.61/7.21
	1000W–2000W	240	4.17/8.33
194	1125W–2250W	208	5.41/10.82
	1500W–3000W	240	6.25/12.5
198	1500W–3000W	208	7.21/14.42
	2000W–4000W	240	8.33/16.67

*To be used to supply supplemental heat.

Broan Heaters

Trimline Kickspace Heaters. If you don't believe you have room for auxiliary heat, you haven't seen trimline kickspace heaters. Slim and compact, they tuck under cabinet kickspaces, vanity bases, stairways or any place where space is limited. Consider them for light-commercial applications such as ticket/toll booths and checkout counters where ducting isn't possible.



Model*	Watts	Volts	Amps
112	1500	240	12.5
	750	240	6.25
114	1125	208	5.41
	1500	240	6.25

*To be used to supply supplemental heat.

Model 112
- With built-in thermostat
- Steel-sheathed, plate-finned, heavy-duty heating element
- Factory wired 1500W at 240V AC, converts to 750W or 1500W at 120V

Model 114
- Same as 112 without built-in thermostat
- Steel-sheathed, plate-finned, heavy-duty heating element
- Factory wired 1500W at 240V AC, converts to 750W or 1500W at 120V
- Use Model 90 accessory built-in thermostat if desired

Register Heaters. These powerful heaters are factory wired at 1000W, 1500W and 2000W and can be easily converted to half-wattage for added versatility. The low wall mounting and register-look grille, in neutral white finish make them as inconspicuous as they are efficient. What's more, they do not restrict furniture placement the way baseboard heaters can.

Model 120
- Factory wired for 1000W at 120V AC – easily converts to 500W at 120V, or 1000W at 240V AC

Model 124
- Factory wired for 1500W at 120V AC – easily converts to 750W at 120V, or 1500W at 240V AC

Model 128
- Factory wired for 2000W at 240V AC – easily converts to 1000W at 240V AC

Model*	Watts	Volts	Amps
120	500–1000	120	4.16/8.33
	750	208	3.61
	1000	240	4.16
124	750–1500	120	6.25/12.5
	1125	208	5.41
	1500	240	6.25
128	750–1500	208	3.61/7.21
	1000–2000	240	4. 16/8.33

*To be used to supply supplemental heat.

Line-Voltage Wall Thermostat
Model 86W
- Single-pole, 120V/240V AC, 22 amps
- 50° to 85° temperature range
- Snap-action, bimetallic sensing strip

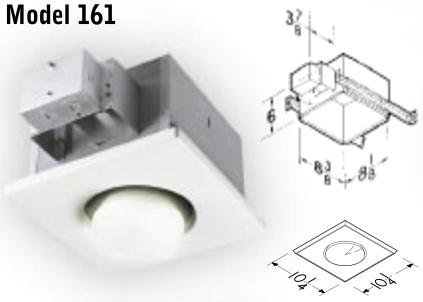
Broan Big Heat® Portable Heater
Model 6200

- Lightweight with easy-carry handle
- Only 4-3/4"W x 5"H x 6"D; six-foot cord for 120V, 60 Hz AC household outlet
- Two fan-forced heat settings (or Fan Only for summer cooling):
  - 1500-watt setting is the maximum allowable for 120-volt heaters
  - 1200-watt setting maintains warmth using less electricity
  - One control for heat setting, another for automatic thermostat setting
- 24-piece merchandiser available, model 6200MD

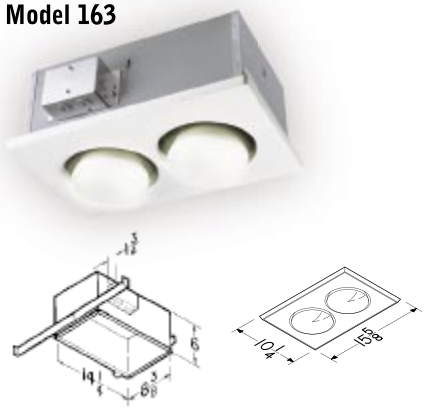
Safety features:
- Narrow grille openings
- Overheat protection switch
- Low center of gravity resists tipping
- Automatic tip-over shut-off switch

Ceiling heaters. Fan-forced or infrared bulb heat, and convenient combinations. The reliable design and quality construction is all Broan. Either way, you get energy-saving warmth in a compact, easy to install unit.

Recessed Infrared
Model 161



Model 163

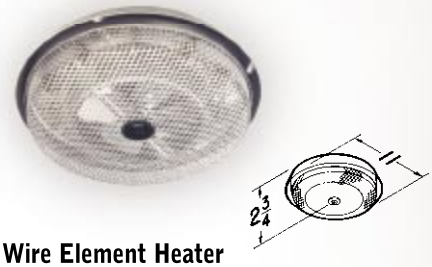


One and Two-Bulb Heaters
- Infrared bulbs deliver energy-saving warmth
- Get instant comfort in the bathroom without turning up the central thermostat
- 250-watt R40/BR40 size infrared bulbs (not included)
- Attractive, white polymeric grilles
- Compact steel housings
- Adjustable mounting brackets with keyhole slots span up to 24"

Model 161
- One-Bulb Heater
- Overall housing dimensions: 6-3/8" x 12-1/4" x 8-1/8"
- Model 161, UL Listed for 75°C wiring (retrofits)
- Not Type IC

Model 163
- Two-Bulb Heater
- Overall housing dimensions: 6-3/8" x 8-3/8" x 14-1/4"
- Type IC

Surface-mount Fan Forced Air
Model 154 & 157



Wire Element Heater
- Chrome alloy, wire element for instant heat
- Low-profile housing with satin-finish aluminum grille extends only 2-3/4" from ceiling
- Built-in fan disperses heat evenly
- Automatic overheat protection
- Permanently lubricated motor
- Mounts easily to any standard 3-1/2" or 4" round, or 4" octagonal ceiling electrical box
- Surface-Mount Ceiling Heaters for quick, easy installation

Radiant Heater – Model 157
- Exclusive enclosed, sheathed, long-life element diffuses heat throughout the room
- Low-profile housing with satin-finish aluminum grille extends only 2-3/4" from ceiling
- Built-in fan disperses heat evenly
- Automatic overheat protection
- Permanently lubricated motor
- Mounts easily to any standard 3-1/2" or 4" round, or 4" octagonal ceiling electrical box
- Surface-Mount Ceiling Heaters for quick, easy installation

Model	Watts	Volts	Amps
6200	1200–1500	120	10.0/12.5
154	1250	120	10.7
157	1250	120	10.7
161	250	120	2.1
163	500	120	4.3

Push the heat out. Pull a fresh breeze through.

Too often, attic ventilation is overlooked, not to mention ignored as a place for energy savings. That's where Broan solutions make sense. Consider this: air trapped in your attic can easily reach 150˚ or more. With Broan ventilation solutions, it's still a full 60˚ cooler in the attic on a 90˚ day. That's why attic ventilation is critical to making any home more comfortable while lowering energy costs. Air-conditioners can run less and won't have to work as hard. Humid, stagnant air can be removed, drawing fresh dry air across the surfaces. Your attic can be drier and cooler—the perfect tools to help fight potential moisture damage.

Determining the CFM* requirements for your attic

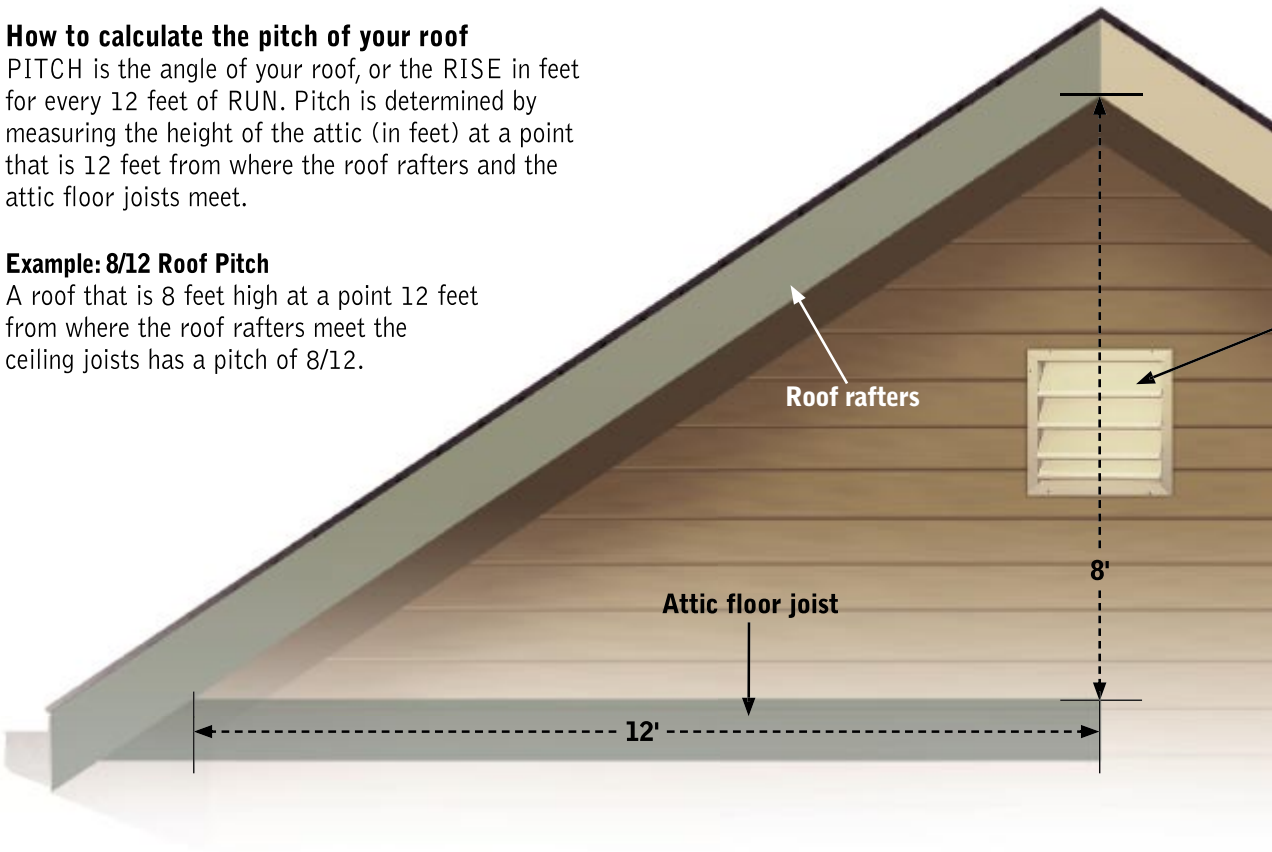
		Gable Mount		Roof Mount				
Roof Pitch		Model 353	Model 35316	Model 350	Model 355	Model 356	Model 358	Model RF-49BR
		900/1140 CFM**	1160/1600CFM**	1050 CFM	1200 CFM	1600 CFM	1200 CFM	1000 CFM
8/12 or Less	Light Roof	1285/1630 sq. ft. Attic	1658/2285 sq. ft. Attic	1500 sq. ft. Attic	1715 sq. ft. Attic	2285 sq. ft. Attic	1715 sq. ft. Attic	1490 sq. ft. Attic
	Dark Roof	1125/1425 sq. ft. Attic	1442/1985 sq. ft. Attic	1304 sq. ft. Attic	1495 sq. ft. Attic	1985 sq. ft. Attic	1495 sq. ft. Attic	1290 sq. ft. Attic
9/12	Light Roof	1200/1520 sq. ft. Attic	1549/2135 sq. ft. Attic	1399 sq. ft. Attic	1600 sq. ft. Attic	2135 sq. ft. Attic	1600 sq. ft. Attic	1180 sq. ft. Attic
	Dark Roof	045/1325 sq. ft. Attic	1347/1855 sq. ft. Attic	1219 sq. ft. Attic	1390 sq. ft. Attic	1855 sq. ft. Attic	1390 sq. ft. Attic	1200 sq. ft. Atti
12/12	Light Roof	675/855 sq. ft. Attic	870/1200 sq. ft. Attic	790 sq. ft. Attic	900 sq. ft. Attic	1200 sq. ft. Attic	900 sq. ft. Attic	782 sq. ft. Attic
	Dark Roof	590/750 sq. ft. Attic	757/1055 sq. ft. Attic	694 sq. ft. Attic	790 sq. ft. Attic	1055 sq. ft. Attic	790 sq. ft. Attic	684 sq. ft. Attic
15/12	Light Roof	420/530 sq. ft. Attic	559/770 sq. ft. Attic	508 sq. ft. Attic	575 sq. ft. Attic	770 sq. ft. Attic	575 sq. ft. Attic	501 sq. ft. Attic
	Dark Roof	375/475 sq. ft. Attic	486/670 sq. ft Attic	430 sq. ft. Attic	505 sq. ft. Attic	670 sq. ft. Attic	505 sq. ft. Attic	427 sq. ft. Attic

How to calculate the pitch of your roof

PITCH is the angle of your roof, or the RISE in feet for every 12 feet of RUN. Pitch is determined by measuring the height of the attic (in feet) at a point that is 12 feet from where the roof rafters and the attic floor joists meet.

Example: 8/12 Roof Pitch

A roof that is 8 feet high at a point 12 feet from where the roof rafters meet the ceiling joists has a pitch of 8/12.

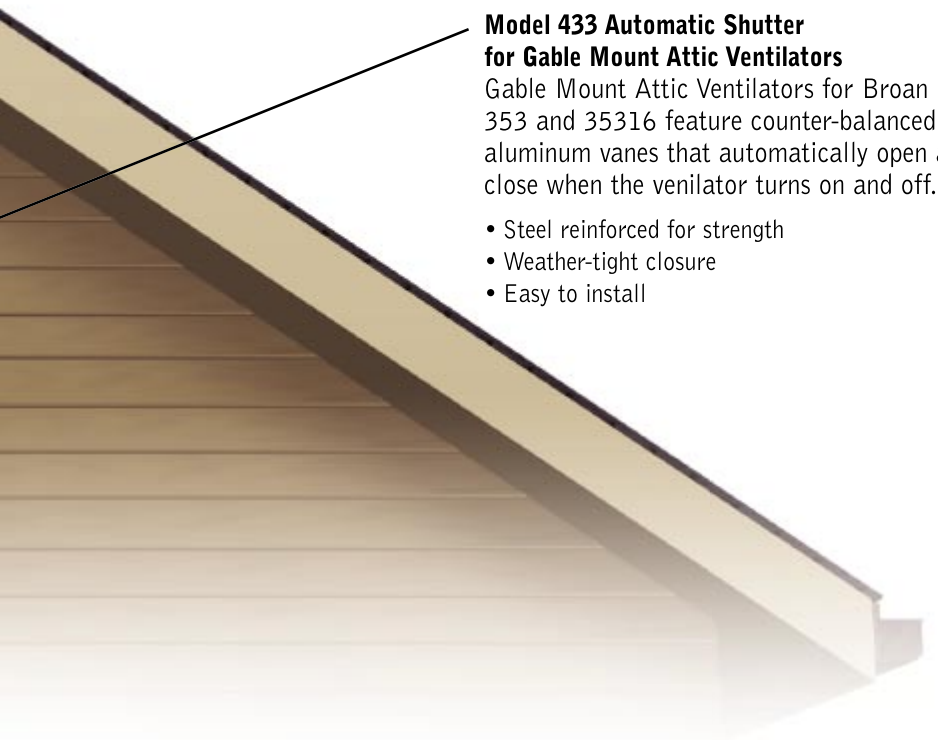


Model 350
Attic Fan

Powered Attic Ventilator Specifications

	Gable Mount		Roof Mount				
	Model 353†	**Model 35316†**	**Model 350**	**Model 355**	**Model 356**	**Model 358**	**Model RF-49BR**
Attic Size	Up to 1630 sq. ft.	Up to 2285 sq. ft.	Up to 1500 sq. ft.	Up to 1715 sq. ft.	Up to 2285 sq. ft.	Up to 1715 sq. ft.	Up to 1400 sq. ft.
Amps	3.4	3.9	3.6	4.3	8.0	4.3	4
CFM*	1140/900**	1600/1160	1050	1200	1600	1200	1000
RPM	950	1420	1000	1050	1500	1050	1050
Height	-	-	8"	8"	8"	8"	9"
Dome Dia.	-	-	23-1/4"	23-1/4"	23-1/4"	23-1/4"	24-1/2"
Dome Material	-	-	PVC	PVC	PVC	Metal	Metal
Wall Control Switches: See page 47							

† Model 433 Automatic Shutter Accessory sold separately. See below.
*Exhaust capacity HVI certified @ .03" static pressure.
**Higher CFM with Model 433 shutter. Lower CFM with standard wood louvre. The Home Ventilating Institute (HVI) recommends 1 sq. ft. of open air inlet per 300 CFM of fan capacity. The best location for these air intake vents is under the eaves with direct access to the attic. Vents for gable installations should be placed at the end of the house opposite the installed ventilator. Failure to provide these intakes could cause natural-draft gas appliances to backdraft.



Model 433 Automatic Shutter for Gable Mount Attic Ventilators

Gable Mount Attic Ventilators for Broan models 353 and 35316 feature counter-balanced aluminum vanes that automatically open and close when the venilator turns on and off.

- Steel reinforced for strength
- Weather-tight closure
- Easy to install

Model 353
Gable Fan

2100 HVI CERTIFIED

Broan Ventilation Fans – Wall Control

Indicator Light Control for Ultra Silent™ Products

Multi-function Control

Speed Control for quieter operation or full power

Timer and Off-delay Controls for unattended moisture removal

Decorator Wall Controls

Model 69W, 69V

- Single-Function Controls
- 120V, 15 amps

Model 68W, 68V

- Two-Function Controls
- Two independent, 120V, 15 amp rocker switches (20 amps total)
- Fits single-gang box
- Blister packs available (P68W, P68V)

Model 65W, 65V, 66W, 66V, 67W, 67V

- Three-Function Controls
- Three independent, 120V, 15 amp rocker switches (20 amps total)
- Fits single-gang opening
- Blister packs available (P65W, P65V, P66W, P66V, P67W, P67V)
- Controls available in White (W) or Ivory (V)
- Wall plates available in: Polished brass finish (65W, 65V); White (66W) or Ivory (66V); Polished chrome finish (67W, 67V)

Model 77DW, 77DV

- Four-Function Controls
- Single switch provides three settings for fan sensor (On-Auto-Off) on Sensing models
- Remaining switches for light/nightlight
- Works with QTX110HL heater/fan/light/nightlight
- Controls available in White (W) or Ivory (V)
- Fits single-gang opening
- Blister packs available (P77DW)

Model 64V, 64W

- Fan/Light Control with Off-Delay
- Fan and light operate together when control is turned on
- Fan continues to operate for a user adjustable time period 5-60 minutes after light is turned off
- Center position bypasses timer and turns fan and light off immediately
- Fits single-gang box
- 120V, 4 amps (fan), 4 amps (light)
- Requires hot and neutral wires in the switch box

Indicator Light Controls

Model 69WL, 69VL

- Single-Function Controls
- For use with Ultra Silent™ Series fan units, or Remote In-Line Ventilators
- 120V, 20 amps
- Blister packs (P69WL, P69VL)
- Red light lets you know power is on

Model 269WL, 269VL

- Two-Function Controls
- For use especially with Ultra Silent™ Series fan units and an auxiliary light source
- Lighted fan control 120V, 20 amps; unlighted 120/240/277V, 15 amps
- Fits two-gang box

Model 685WL, 685VL

- Three-Function Controls
- For use especially with Ultra Silent™ Series fan/light/ nightlight units
- Lighted fan control 120V, 20 amps; two additional on/off rocker switches 120V, 15 amps each (20 amps total)
- Fits two-gang box
- Blister packs (P685WL, P685VL)

Electronic Variable-Speed Wall Controls

Model 57W, 57V (3-Amp)*

- 120V, 3 amps
- Fits single-gang box
- Positive on/off action – dial for variable selection of air speeds and sound levels
- Built-in radio noise suppressor
- Blister packs available (P57W)

Model 72W, 72V, 75V (6-amp)*

- 120V, 6 amps – Models 72W, 72V
- 240V, 6 amps – Model 75V
- Other features same as 57W/57V

Model 277V

- 277V, 6 amps
- Other features same as 57W/57V

Model 80L for Losone Fans

- For Broan High Capacity Fans, L100–L900L
- Metal housing
- Fan insulation is perforated for easy installation
- 120 V, 3 amps, 60 Hz
- UL Listed

Decorator Time Controls

Model 59W, 59V, 71V

- Model 59W, 59V – up to 60 minutes
- Model 71V – up to 12 hours
- Fits single-gang box
- 120V, 20 amps; 240V, 10 amps
- Blister packs available (P59W, P59V)
- Operate continuously or for any set period

Model 61W, 61V

- 15 Minute
- Operate for any set period up to 15 minutes (no "continuous on" position)
- Other features same as 59W/59V

Model 62W, 62V

- 60 Minute
- Two separate 120V, 15 amp on/off rocker switches (20 amps total)
- 120V, 20 amps or 240V, 10 amp timer
- Timer operates continuously or for any set period up to 60 minutes
- Fits two-gang box

Model 63W, 63V

- 60 Minute
- Separate 120V, 15 amp on/off rocker switch
- Other features same as 62W/62V

Remote In-Line Ventilator Accessories

Model DH100W

- Dehumidistat
- Dual voltage (24V/120V)
- Variable setting from 20-80% relative humidity
- Usage guide included

Model T24H

- 24-Hour Programmable Timer
- 120V, 8 amps
- Sets up to 36 on/off cycles as short as 20 minutes
- Manual on/off override switch
- Fits single-gang box

Broan Ventilation Products – Wall Control Selection Guide

		57W 57V	59W 59V	61W 61V	62W 62V	63W 63V	64W 64V	65W 65V	66W 66V	67W 67V	68W 68V	69W	69WL 69VL	70W 70V	71V	72W 72V	75V	77DW 77DV	80L	269WL 269VL	685WL 685VL	DH 100W	T24H
Utility Fans	502	●	●	●			●					●	●	●	●	●						●	●
	503	●	●	●			●					●	●	●	●	●						●	●
	504	●	●	●			●					●	●	●	●	●						●	●
	505	●	●	●			●					●	●	●	●	●						●	●
	506 & 507	chain operated																					
	508	●	●	●			●					●	●	●	●	●						●	●
	509	●	●	●								●	●									●	
	509S[1]		●	●			●								●							●	●
	510[2]		●	●			●							●	●							●	●
	511[2]																						
	512 & 512M	●	●	●								●	●		●	●						●	●
	12C		●	●			●					●	●	●	●	●						●	●
Ventilation Fans	670	●	●	●			●					●	●		●							●	●
	671	●	●	●			●					●	●		●	●						●	●
	676	●	●	●			●					●	●		●	●						●	●
	682	●	●	●			●					●	●		●	●						●	●
	684	●	●	●			●					●	●		●	●						●	●
	688	●	●	●			●					●	●		●	●						●	●
	689	●	●	●			●					●	●		●	●						●	●
	HD50	●	●	●			●	●	●	●		●	●		●	●						●	●
	HD80	●	●	●			●					●	●		●	●						●	●
	QT Fans	●	●	●		●	●				●	●	●		●	●						●	●
	QTXE110S											●	●										
Fan/Lights	657	●	●	●		●	●				●				●	●						●	●
	678	●	●	●		●	●				●				●	●						●	●
	679	●	●	●		●	●				●				●	●						●	●
	679FLT	●	●	●		●	●				●				●	●						●	●
	680	●	●	●		●	●				●				●	●						●	●
	680FLT	●	●	●		●	●				●				●	●						●	●
	696	●	●	●		●	●				●				●	●						●	●
	707		●	●		●	●				●				●							●	●
	721	●	●	●	●		●	●	●	●					●	●					●	●	●
	741BR, 741SN 741WH	●	●	●		●	●				●				●	●						●	●
	744					●					●											●	
	744FL					●					●											●	

[1]Built-in on/off switch. [2]Built-in on/off variable switch.

		57W 57V	59W 59V	61W 61V	62W 62V	63W 63V	64W 64V	65W 65V	66W 66V	67W 67V	68W 68V	69W	69WL 69VL	70W 70V	71V	72W 72V	75V	77DW 77DV	80L	269WL 269VL	685WL 685VL	DH 100W	T24H
Fan/Lights	750	•	•	•	•		•	•	•	•	•				•	•				•	•	•	•
	751	•	•	•		•	•				•				•	•				•		•	•
	754RB, 754SN	•	•	•		•	•				•				•	•				•		•	•
	755	•	•	•		•	•				•				•	•				•		•	•
	756	•	•	•		•	•				•				•	•				•		•	•
	757PT, 757SN	•	•	•		•	•				•				•	•				•		•	•
	758	•	•	•		•	•				•				•	•				•		•	•
	HD50L	•	•	•		•	•				•				•	•				•		•	•
	HD80L	•	•	•		•	•				•				•	•				•		•	•
	QT Fan/Lights	•	•	•		•	•		•						•	•						•	•
	QT Sensing Fan/Lights							•	•	•								•					
Heater/Fan/Lights	162	•	•	•		•	•				•				•	•				•		•	•
	164	•	•	•	•	•		•	•	•	•				•	•				•	•	•	•
	655	•	•	•	•			•	•	•					•	•				•	•	•	•
	656		•	•		•									•							•	•
	658	•	•	•		•					•				•	•				•		•	•
	659	•	•	•	•			•	•	•					•	•				•	•	•	•
	HFL695				•			•	•	•					•	•				•	•	•	•
	QTX110HL	•	•	•	•			•	•	•					•	•		•				•	•
High Capacity	L100–L700 Series	•	•	•			•					•	•	•	•	•			•			•	•
	L900 Series		•	•			•					•	•	•	•	•			•			•	•
	L1500 Series		•	•								•	•	•	•	•						•	
	L2000L		•	•								•	•	•	•	•						•	•
	L3500EXL		•	•								•	•	•	•		•						
In-Line	MP100, MP140 MP200	•	•	•								•	•	•	•	•						•	•
	MP280		•	•								•	•	•	•	•						•	•
	SP100, SP140 SP200	•	•	•								•	•	•	•	•						•	•
Heaters	154		•	•			•					•	•		•								•
	157		•	•			•					•	•		•								•
	161		•	•			•					•	•		•							•	•
	163		•	•		•					•	•	•		•							•	•
Attic Ventilation	350		•	•								•	•		•	•						•	•
	355		•	•								•	•		•	•						•	•
	356		•	•								•	•		•							•	
	358		•	•								•	•		•	•						•	•
	RF-49BR		•	•								•	•		•	•						•	•

Roof Caps

Model 611 Roof Cap

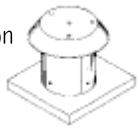
- For flat roof installation
- Aluminum natural finish
- For up to 8" round duct

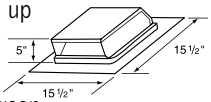
Model 611CM Roof Cap

- For curb mount installation
- Other features same as Model 611

Model 612 Roof Cap

- For flat roof installation
- Aluminum natural finish
- For up to 12" round duct

Model 612CM Roof Cap

- For curb mount installation
- Other features same as Model 612

Model 634 Roof Cap


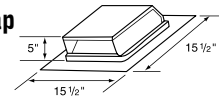
- For 3-1/4" x 10" or up to 8" round duct
- Built-in backdraft damper and bird screen
- Steel baked black enamel finish

Model 634M Roof Cap
- Same as Model 634 except for 6" round duct

Model 636 Roof Cap

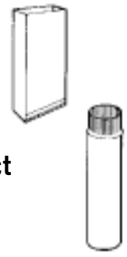
- For 3" or 4" round duct
- Built-in backdraft damper and bird screen
- Steel baked black enamel finish

Model 636AL Roof Cap
- Same as Model 636, except aluminum natural finish

Model 644 Roof Cap


- Same as Model 634, except for aluminum natural finish

Ducting



Model 401 Duct
- 3-1/4" x 10" duct
- 2' galvanized section

Model 406 Round Duct
- 6" round duct
- 2' galvanized section

Ducting Continued

Model 407 Round Duct
- 7" round duct
- 2' galvanized section

Model 410 Round Duct
- 10" round duct
- 2' galvanized section

Models DT4C, DT6C Non-Insulated Flexible Duct

- 4" (DT4C) or 6" (DT6C) round
- DT4C is a 4-pack
- 25' standard length

Models DT4W, DT6W Insulated Flexible Duct

- 4" (DT4W) or 6" (DT6W) round
- 25' standard length

Transitions

Model 411 Transition

- Converts 3-1/4" x 10" duct to 6" round duct

Model 412 Transition
- Converts 3-1/4" x 10" duct to 7" round duct

Model 413 Transition
- Converts 3-1/4" x 10" duct to 8" round duct

Model 414 Transition
- Converts 8" round duct to 10" round duct

Model 472 Transition
- Converts 10" round duct to 8" round duct
- Includes damper

Model 475 Transition
- Converts 6" round duct to 4" round duct
- Available in 6 Pack (475B)

Wall Caps

Model 613 Wall Cap

- For 12" round duct
- Built-in backdraft damper and bird screen
- Aluminum natural finish

Wall Caps Continued

Model 639 Wall Cap

- For 3-1/4" x 10" duct
- Spring-loaded backdraft damper
- Built-in bird screen
- Steel baked black enamel finish

Model 641 Wall Cap

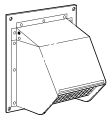
- For 6" round duct
- Built-in backdraft damper and bird screen
- Aluminum natural finish
- Model 647 for 7" Round duct

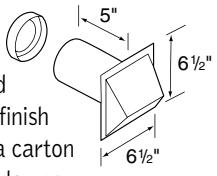
Model 647 Wall Cap

- For 7" round duct
- Other features same as Model 641

Model 649 Wall Cap

- Same as Model 639, except aluminum natural finish

Model 843BL

- For 6" round duct
- Built-in backdraft damper and bird screen
- Black finish

Model 885BL Wall Cap


- For 3" or 4" round duct
- 4" to 3" transition included
- Steel baked black enamel finish
- Standard package – 6 to a carton
- Built-in bird screen – and damper

Model 885AL Wall Cap
- For 3" or 4" round duct
- 4" to 3" transition included
- Aluminum natural finish
- Standard package – 4 to a carton
- Built in bird screen and damper

Model 643 Wall Cap

- For 8" round duct
- Aluminum natural finish

Model 645 Louvered

- Wall Cap for 3" Round Duct
- White polymeric
- 6 to a carton

Model 646 Louvered Wall Cap for 6" Round Duct
- Single pack
- White polymeric

Ducting Kits

Model RVK1A
Flexible Roof Ducting Kit
- Includes Model 636 Roof Cap
- 4" diameter metal duct connector
- 2 duct clamps
- 4" to 3" reducer
- 8' of 4" flexible aluminum ducting

Model WVK1A
Flexible Wall Ducting Kit
- Includes white polymeric louvered wall cap
- 4" diameter metal duct connector
- 2 duct clamps
- 4" to 3" reducer
- 5' of 4" flexible aluminum ducting

Filters

Model 99010042 Aluminum Filter
- Fits Utility Ventilator Models 503, 503MG, 505, 505MG, 509, 509MG, 509S and 509SMG

Model 99010271 Aluminum Filter
- Fits Utility Ventilator Models 12C, 12CMG, 502, 502MG, 504, 504MG, 508, 508MG, 510, 510MG, 511 and 511MG

Metal Grille Kit

Model 97011308
- Steel baked white enamel finish
- Fits fan Models 670, 671, 676, 684, 688 and 689
- Grille size is 10-1/4" square

Elbows

Model 415
Adjustable Elbow
- Fits 7" round duct

Model 418
Adjustable Elbow
- Fits 10" round duct

Model 419
Adjustable Elbow
- Fits 6" round duct

Model 428
Vertical Elbow
- Fits 3-1/4" x 10" duct

Model 429
Horizontal Elbow
- Fits 3-1/4" x 10" duct

Model 430 Short Eave Elbow
- For 3-1/4" x 10" duct
- Includes backdraft damper and grille
- Only recommended for fans with more than 160 CFM

Model 431 Long Eave Elbow
- For 3-1/4" x 10" duct
- Includes backdraft damper and grille
- Only recommended for fans with more than 160 CFM

Broan Ventilation Fans – Specifications

Fans

	Page	CFM	Sones HVI-certified	Baths up to ( ) Sq Ft	Energy Star	Duct Size"	Housing Dimensions L"	W"	H"	Grille Dimensions L"	W"	Grille finish	Amps
QTXE050	13	50	<0.3	45	Yes	6	11⅜	10½	7¾	14	15	White Polymeric	0.3
QTXE080	13	80	0.3	75	Yes	6	11⅜	10½	7¾	14	15	White Polymeric	0.4
QTXE110	13	110	0.7	100	Yes	6	11⅜	10½	7¾	14	15	White Polymeric	0.3
QTXE110S	12	110	0.7	100	Yes	6	11⅜	10½	7¾	13	13¾	White Polymeric	0.3
QTXE150	13	150	1.4	140	Yes	6	11⅜	10½	7¾	14	15	White Polymeric	0.5
QTRE080	13	80	0.8	75	Yes	4	11⅜	10½	7¾	13	14	White Polymeric	0.4
QTRE110	13	110	1.3	100	Yes	4	11⅜	10½	7¾	13	14	White Polymeric	0.3
QTR080	13	80	1.0	75		4	11⅜	10½	7¾	13	14	White Polymeric	0.7
QTR110	13	110	1.5	100		4	11⅜	10½	7¾	13	14	White Polymeric	0.9
670	15	50	3.5	45		3	7¼	7½	3⅝	9	9¼	White Polymeric	0.8
671	15	70	6.0	65		3	7¼	7½	3⅝	9	9¼	White Polymeric	1.2
676	15	110	4.0	100		4	8	8¼	5¾	10⅝	11⅛	White Polymeric	1.3
682	15		—			Duct-free	7⅛	7⅛	3¾	8½	8½	White Polymeric	1.0
684	15	80	2.5	75		4	8	8¼	5¾	10⅝	11⅛	White Polymeric	0.5
688	15	50	4.0	45		3	7¼	7½	3⅝	9	9¼	White Polymeric	0.9
689	15	60	5.5	55		3	7¼	7½	3⅝	9	9¼	White Polymeric	1.5
690*	14	60	3.0	55		—	—	—	—	9⅝	11⅛	White Polymeric	1.5
HD50	15	50	1.5	45		4	8	8¼	5¾	10¼	10¼	White Painted Metal	0.4
HD80	15	80	2.5	75		4	8	8¼	5¾	10¼	10¼	White Painted Metal	0.6

Radiation Dampers can be found on page 14. *Replacement grille and motor kit.

Utility Fans

	Page	CFM	Sones	Housing Dimensions L"	W"	H"	Grille Dimensions L"	W"	Amps	Duct
12C	17	360	8.0		11½ Sq		13½ Sq		1.7	Direct Discharge
502	16	270	8.0	16¾	13⅞	3¼	13½ Sq		1.7	3¼" x 10"
503	16	160	5.0	14	12	3¼	11½ Sq		1.5	3¼" x 10"
504	17	350	6.5		10¼ Rd	7	13½ Sq		1.7	10"
505	17	180	6.5		8¼ Rd	7	11½ Sq		1.5	8"
506	16	470	8.0		10⅜ Rd		13½ Sq		1.7	Direct Discharge
507	16	250	7.0		8⅜ Rd		11½ Sq		1.5	Direct Discharge
508	17	270	6.0		10⅜ Rd		13½ Sq		1.7	Direct Discharge
509	17	180	6.5		8⅜ Rd		11½ Sq		1.5	Direct Discharge
509S	17	180	6.5		8⅜ Rd		11½ Sq		1.5	Direct Discharge
510	16	380	6.5		11½ Sq		13½ Sq		1.7	Room to room wall fan
511	16	180	4.5		11½ Sq		13½ Sq		0.9	Room to room wall fan
512	17	90	3.5		6 Rd		8 Dia		0.7	Room to room wall fan
512M	17	70	3.5		6 Rd		8 Dia		0.7	Direct Discharge
673	17	60	4.5		6¼ Rd	5¼	8 Dia		1.0	6"

In-Line Ventilators

	Page	CFM	0.2" Ps Sones	Housing Dimensions L"	W"	H"	Amps	Duct
MP100	18	110	1.0	11	10½	9½	0.5	4 - 4" Rd Inlets, 6" Rd Outlet
MP140	18	150	1.5	11	10½	9½	0.8	4 - 4" Rd Inlets, 6" Rd Outlet
MP200	18	210	2.0	11	10½	9½	1.3	4 - 4" Rd Inlets, 6" Rd Outlet
MP280	18	290	3.0	15¼	14¼	14¾	2.5	4 - 4" Rd Inlets, 6" Rd Outlet
SP100	19	110	1.0	11	10½	9½	0.5	6" Rd Inlet and Outlet
SP140	19	150	1.5	11	10½	9½	0.8	6" Rd Inlet and Outlet
SP200	19	210	2.0	11	10½	9½	1.3	6" Rd Inlet and Outlet

High Capacity Fans

	Page	CFM/Sones .125" Ps (AMCA) CFM	Sones	Housing Dimensions L"	W"	H"	Grille Dimensions L"	W"	Amps at 60 Hz	Duct"	Watts	Volts
L100	21	109	0.9	12¼	12¼	11¾	14	14	1.1	6	87	120
L100L	21	106	0.7	12¼	12¼	11¾	—	—	1.1	6	87	120
L100MG	21	115	0.9	12¼	12¼	11¾	14	14	1.1	6	87	120
L150	21	157	1.5	12¼	12¼	11¾	14	14	1.3	6	100	120
L150L	21	147	1.1	12¼	12¼	11¾	—	—	1.3	6	100	120
L150MG	21	161	1.4	12¼	12¼	11¾	14	14	1.3	6	100	120
L200	22	210	1.7	12¼	12¼	11¾	14	14	1.8	8	127	120

High Capacity Fans continued

		CFM/Sones	.125" Ps (AMCA)	Housing Dimensions			Grille Dimensions		Amps			
	Page	CFM	Sones	L"	W"	H"	L"	W"	at 60 Hz	Duct"	Watts	Volts
L200L	22	195	1.9	12¼	12¼	11¾	—	—	1.8	8	127	120
L200MG	22	215	1.9	12¼	12¼	11¾	14	14	1.8	8	127	120
L250	22	259	2.2	12¼	12¼	11¾	14	14	2.1	8	166	120
L250L	22	245	2.3	12¼	12¼	11¾	—	—	2.1	8	166	120
L250MG	22	265	2.5	12¼	12¼	11¾	14	14	2.1	8	166	120
L300	22	308	2.9	12¼	12¼	11¾	14	14	2.6	8	212	120
L300KMG	22	277	3.1	12¼	12¼	11¾	14	14	2.6	8	212	120
L300L	22	293	3.1	12¼	12¼	11¾	—	—	2.6	8	212	120
L300MG	22	316	3.0	12¼	12¼	11¾	14	14	2.6	8	212	120
L400	23	434	2.3	21½	12¼	11¾	23¼	14	1.4	4½ x 18½	146	120
L400K	23	406	3.3	21½	12¼	11¾	23¼	14	1.4	4½ x 18½	146	120
L400L	23	406	1.6	21½	12¼	11¾	—	—	1.4	4½ x 18½	146	120
L500	23	514	3.3	21½	12¼	11¾	23¼	14	2.2	4½ x 18½	232	120
L500K	23	481	4.4	21½	12¼	11¾	23¼	14	2.2	4½ x 18½	232	120
L500L	23	519	3.4	21½	12¼	11¾	—	—	2.2	4½ x 18½	232	120
L700	23	701	4.7	21½	12¼	11¾	23¼	14	2.9	4½ x 18½	313	120
L700L	23	681	3.7	21½	12v	11¾	—	—	2.9	4½ x 18½	313	120
L900	23	901	4.1	22	18	18	23⅞	19⅞	3.0	8 x 12	306	120
L900L	24	894	3.8	22	18	18	—	—	3.0	8 x 12	306	120
L1500	24	1513	8.4	22	18	18	23⅞	19⅞	5.0	8 x 12	468	120
L1500L	24	1214	6.7	22	18	18	—	—	5.0	8 x 12	468	120
L2000L	24	1791	9.4	38	14⅝	14⅝	—	—	5.8	7¾ x 33¾	590	120
L3500EXL	24	3452	14.5	45¾	16¾	16¾	—	—	5.4	9¾ x 41⅜	1204	120

Fan/Lights

			Sones, HVI-certified	Baths up to ( ) Sq Ft	Lighting Watts Main/ Nightlight	Energy Star	Title 24 Compliant	Duct Size"	Housing Dimensions L"	W"	H"	Grille Dimensions L"	W"	Grille finish	Amps
	Page	CFM													
QTXE080FLT	27	80	0.3	75	42/4	Yes	Yes	6	11⅜	10½	7¾	13⅜	14¼	White Polymeric	1.0
QTXE110FLT	27	110	0.7	100	42/4	Yes	Yes	6	11⅜	10½	7¾	13⅜	14¼	White Polymeric	1.0
QTXE150FLT	27	150	1.4	140	42/4	Yes	Yes	6	11⅜	10½	7¾	13⅜	14¼	White Polymeric	1.2
QTRE080FLT	27	80	0.8	75	42/4	Yes	Yes	4	11⅜	10½	7¾	12⅜	14	White Polymeric	1.0
QTRE110FLT	27	110	1.3	100	42/4	Yes	Yes	4	11⅜	10½	7¾	12⅜	14	White Polymeric	1.0
QTR080L	27	80	1.0	75	100/4			4	11⅜	10½	7¾	12⅜	14	White Polymeric	1.6
QTR110L	27	110	1.5	100	100/4			4	11⅜	10½	7¾	12⅜	14	White Polymeric	1.8
QTX110SL	32	110	0.9	100	100/4			6	11⅜	10½	7¾	13	13¾	White Polymeric	0.3
QTXE110SFLT	32	110	0.7	100	42/4	Yes	Yes	6	11⅜	10½	7¾	13	13¾	White Polymeric	0.3
657	33	70	4.0	65	100			4	14¼	8¼	5¾	16¾	10⅞	White Polymeric	2.0
678	33	50	2.5	45	13			4	8¼	8	5¾	11⅛	10⅜	White Polymeric	1.6
679	33	70	3.5	65	100			4	8¼	8	5¾	11⅛	10⅜	White Polymeric	2.0
679FLT	33	70	3.5	65	13		Yes	4	8¼	8	5¾	11⅛	10⅜	White Polymeric	1.3
680	33	100	4.0	90	100			4	8¼	8	5¾	11⅛	10⅜	White Polymeric	2.2
680FLT	33	100	4.0	90	22		Yes	4	8¼	8	5¾	11⅛	10⅜	White Polymeric	1.7
696	33	100	4.5	90	100			4	14¼	8¼	5¾	16¾	10⅞	White Polymeric	2.0
707	33	70	3.5	65	100			4	8¼	8	5¾	10½	11½	Oak Frame	2.0
721	30	100	3.5	90	100/7			4	8¼	8	5¾	15⅛ Dia		Oak/Polished brass	2.2
741BR	30	70	3.5	65	120 (2-60W)			4	8¼	8	5¾	13⅜ Dia		Brass	2.2
741SN	30	70	3.5	65	120 (2-60W)			4	8¼	8	5¾	13⅜ Dia		Satin Nickel	2.2
741WH	30	70	3.5	65	120 (2-60W)			4	8¼	8	5¾	13⅜ Dia		White	2.2
744	31	70	1.5	65	75			4	8¼	12¾	6¾	7⅞ Dia		Matte White	1.2
744FL	31	70	1.5	65	14	Yes	Yes	4	8¼	12¾	6¾	7⅞ Dia		Matte White	0.7
750	33	100	3.5	90	100/7			4	9	9	6	15 Dia		White Polymeric	1.9
751	33	100	3.5	90	100			4	9	9	6	15 Dia		White Polymeric	1.9
754RB	28	70	3.5	65	120 (2-60W)			4	8¼	8	5¾	13⅛ Dia		Oil-rubbed Bronze	2.2
754SN	28	70	3.5	65	120 (2-60W)			4	8¼	8	5¾	13⅛ Dia		Nickel	2.2
755	29	70	3.5	65	120 (2-60W)			4	8¼	8	5¾	13⅛ Dia		Antique Crackle	2.2
756	29	80	2.5	75	120 (2-60W)			4	8¼	8	5¾	13⅛ Dia		White	1.6
757PT	29	80	2.5	75	120 (2-60W)			4	8¼	8	5¾	13⅛ Dia		Pewter	1.6
757SN	29	80	2.5	75	120 (2-60W)			4	8¼	8	5¾	13⅛ Dia		Satin Nickel	1.6
758	29	70	3.5	65	120 (2-60W)			4	8¼	8	5¾	13⅛ Dia		White	2.2
HD50L	33	50	1.5	45	100			4	8	8¼	5¾	10¼	10¼	White Polymeric	0.4
HD80L	33	80	2.5	75	100			4	8	8¼	5¾	10¼	10¼	White Polymeric	0.6

Broan Ventilation Fans – Specifications

Heater/Fan/Lights

	Page	CFM	Sones, HVI-Certified	Lighting Main/Nightlight	Housing Dimensions L"	Housing Dimensions W"	Housing Dimensions H"	Grille Dimensions L"	Grille Dimensions W"	Grille Finish	Duct Size"	Total Connected Amps	Total Connected Load In Watts	Total Connected Heater Wattage	BTU
QTX110HL	35	110	0.9	120W/7W	17⅞	11⅜	7⅝	20	15	White Polymeric	6	14.6	1710	1500	5120
162	36	70	3.5	*250W (1)	8⅛	8⅜	6⅜	10¼	10¼	White Polymeric	4	2.5	300	250*	853
164	36	70	3.5	*250W (2)	14¼	8⅜	6⅜	15⅜	10¼	White Polymeric	4	4.5	545	500*	1707
655	37	70	4.0	100W	14¼	8¼	5¾	16¾	10⅜	White Polymeric	4	12.8	1545	1300	4437
656	37	—	—	100W	14¼	8¼	5¾	16¾	10⅜	White Polymeric	—	11.9	1448	1300	4437
658	37	70	4.0	n/a	14¼	8¼	5¾	16¾	10⅜	White Polymeric	4	11.9	1448	1300	4437
659	37	50	2.5	100W	14¼	8¼	5¾	16¾	10⅜	White Polymeric	4	12.0	1472	1300	4437
HFL695	37	100	4.5	100W	14¼	8¼	5¾	16¾	10⅜	White Polymeric	4	15.0	15	1300	4437

Heaters

	Page	Heater Wattage	Volts	Amps	BTU/hr	Housing Dimensions W"	Housing Dimensions H"	Housing Dimensions D"	Grille Dimensions W"	Grille Dimensions H"	Grille Finish
112	42	1500	240	12.5	5120	18	3⅝	12	19¼	3⅝	White Baked Enamel
		750	240	6.25	2560	18	3⅝	12	19¼	3⅝	
114	42	1125	208	5.41	3840	18	3⅝	12	19¼	3⅝	White Baked Enamel
		1500	240	6.25	5120	18	3⅝	12	19¼	3⅝	
120	42	500/1000	120	4.16/8.33	1707/3413	10¼	7¾	3¾	14¼	9¼	White Baked Enamel
		750	208	3.61	2560	10¼	7¾	3¾	14¼	9¼	
		1000	240	4.16	3413	10¼	7¾	3¾	14¼	9¼	
124	42	750/1500	120	6.25/12.5	2560/5120	10¼	7¾	3¾	14¼	9¼	White Baked Enamel
		1125	208	5.41	3840	10¼	7¾	3¾	14¼	9¼	
		1500	240	6.25	5120	10¼	7¾	3¾	14¼	9¼	
128	42	750/1500	208	3.61/7.21	2560/5120	10¼	7¾	3¾	14¼	9¼	White Baked Enamel
		1000/2000	240	4.16/8.33	3413/6827	10¼	7¾	3¾	14¼	9¼	
154	43	1250	120	10.7	4266	11 Dia		2¾	—	—	Satin Aluminum
157	43	1250	120	10.7	4266	11 Dia		2¾	—	—	Satin Aluminum
161	43	250	120	2.1	853	8⅞	6⅜	8⅜	10¼	10¼	White Polymeric
163	43	500	120	4.3	1707	14¼	6⅜	8⅜	15⅜	10¼	White Polymeric
170	40	500/1000	120	4.16/8.33	1707/3413	10¾	7¾	3¾	12	9¼	White Baked Enamel
		750	208	3.61	2560	10¾	7¾	3¾	12	9¼	
		1000	240	4.16	3413	10¾	7¾	3¾	12	9¼	
174	40	750/1500	120	6.25/12.5	2560/5160	10¾	7¾	3¾	12	9¼	White Baked Enamel
		1125	208	5.41	3840	10¾	7¾	3¾	12	9¼	
		1500	240	6.25	5120	10¾	7¾	3¾	12	9¼	
178	40	750/1500	208	3.61/7.21	2560/5160	10¾	7¾	3¾	12	9¼	White Baked Enamel
		1000/2000	240	4.16/8.33	3413/6827	10¾	7¾	3¾	12	9¼	
192	41	750/1500	208	3.61/7.21	2560/5120	14¼	20	4¼	16⅜	20¼	White Baked Enamel
		1000/2000	240	4.17/8.33	3413/6827	14¼	20	4¼	16⅜	20¼	
194	41	1125/2250	208	5.41/10.82	3840/7660	14¼	20	4¼	16⅜	20¼	White Baked Enamel
		1500/3000	240	6.25/12.5	5120/10239	14¼	20	4¼	16⅜	20¼	
198	41	1500/3000	208	7.21/14.42	520/10240	14¼	20	4¼	16⅜	20¼	White Baked Enamel
		2000/4000	240	8.33/16.67	6827/13653	14¼	20	4¼	16⅜	20¼	
6200	43	1200/1500	120	10.0/12.5	4095/5120	4¾	5	6	3½	3½	Chrome

Powered Attic Ventilators, Gable and Roof Mount

	Page	Description	Housing Dimensions L"	Housing Dimensions W"	Housing Dimensions H"	CFM	Sones	Amps	Dome Material
350	37	PAV–Roof Mount	22¼ Sq	23¼ Dia Dome	8	1050	n/a	3.6	PVC
353	37	PAV–Gable Mount	15 Dia	—	8	1140	n/a	3.4	—
35316	37	PAV–Gable Mount	15 Dia	—	8	1600	n/a	3.9	—
355	37	PAV–Roof Mount	22¼ Sq	23¼ Dia Dome	8	1200	n/a	4.3	PVC
356	37	PAV–Roof Mount	22¼ Sq	23¼ Dia Dome	8	1600	n/a	8	PVC
358	37	PAV–Roof Mount	22¼ Sq	23¼ Dia Dome	8	1200	n/a	4.3	Metal
RF-49BR	37	PAV–Roof Mount	22¼ Sq	24½ Dia Dome	9	1000	n/a	4	Metal

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